

FOIA 2015-006520 Response – PPI Redacted

1.

FW: Any isocyanate results yet?

FOIA exemption (b)(6) (privacy)FOIA exemption
(b)(6) (privacy)

to Carol Hetfield
:

Carol,

I've attached the test results for isocyanates. It looks like they sampled 4 different types of diisocyanate, but I don't know if that means they sampled total isocyanates. Also, I think the samples were collected over 60 or 90 minutes. The OSHA methods are cited.

If you can send the link for the Dec 2 webinar, I'd like to pass it on to some folks.

Thanks again for your help.

FOIA exemption (b)(6) (privacy)

FOIA exemption (b)(6) (privacy)FOIA exemption (b)(6) (privacy)

FOIA exemption (b)(6) (privacy)

FOIA exemption (b)(6) (privacy)

1 ATTACHMENT

2.

FW: Need Your Help

FOIA exemption
(b)(6)
(privacy)FOIA to
exemption (b)(6) : Mary Cushmac
(privacy)

FYI - Below concern re school roofing materials.

FOIA exemption (b)(6) (privacy)

On Jan 27, 2010, at 11:54 AM, FOIA exemption (b)(6) (privacy)

wrote:

Dear FOIA exemption (b)(6) (privacy),

Please excuse my delay in getting back to you.

The information you provided indicates clearly that the roofing sealant materials will include urethane isocyanate-based products that are irritants and can cause allergic sensitization. The latter is usually a problem to those with regular contact (applicators) and they are required to use respiratory and skin contact protection. In general, one would not carry out such work during school hours. It seems to me that the New Mexico Health Department should be able to provide some advice. The only colleague I have there is:

Bruce G. Trigg, MD
New Mexico Department of Health
1111 Stanford Drive, NE
Albuquerque, NM 87106 U.S.A.
Tel: (505) 841-4112

He is currently in charge of sexually transmitted diseases so this would not be his area - but he is a pediatrician and I hope could refer you to someone in his Department who covers school health.

Yours,
FOIA exemption (b)(6) (privacy)

From: FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy)

Sent: Tuesday, January 26, 2010 12:16 PM
To: FOIA exemption (b)(6) (privacy)

Subject: Need Your Help

Dear FOIA exemption (b)(6) (privacy),

I hope it is okay to send you an email. I know you must be quite busy, but I really could use your insight into a matter here in FOIA exemption (b)(6) (privacy), New Mexico.

I just finished reading your book, FOIA exemption (b)(6) (privacy), FOIA exemption (b)(6) (privacy) and I am grateful that I read it when I did. It was beautifully written and incredibly thorough. Recently, the elementary school that my children attend is getting a new roof put on. After reading your book, I realized that there are probably toxins in the roofing materials that are being used at the school. It appears that after talking with many people involved in the project, no one wants to address the effects of using these materials around the children at the school. I just received the Material Safety Data Sheets which lists the toxins being used. This MSDS is very confusing to read by someone who doesn't have a chemistry background. I have tried to "Google" the toxins in how they affect exposure in children without much luck. The chemicals/materials listed are Polyisocyanate Prepolymer, Xylene, Ethyl Benzene, Toulene, Acetone, Aliphatic Hydrocarbon, Titanium Dioxide, Synthetic Rubber Compound, EPDM Polymer, Solvent Naphtha (petroleum), Light Aliphatic, Calcium Carbonate, Polymethylene Polyphenylisocyanate, Diphenylmethane Diisocyanate, Polyurethane System Resin, Olybond Part B (Amber/Red)- Aniline & Ethylene Oxide, Diethylene Glycol, Dipropylene Glycol, 1, 4 Dioxane, and Acetaldehyde. The building has been going on while the children/staff are in the classrooms. I volunteer at the school and have been horrified as the overwhelming fumes that have been in the classrooms with absolutely no ventilation. Also, there are nails coming through the ceiling from the roof. This shows that there is no barrier between the roof and chemicals and the classrooms.

My question to you is what should the parents/staff of the school do to stop the project or delay it until the summer months when the children are out of school? Also, do you know someone who can review this MSDS and say whether the materials are a hazard around children?

The money being used for this project is bond money that the city voted on. There seems to be much pressure on the superintendent of the schools all the way down to the principal who insist that the project needs to be completed as soon as possible. Everyone we have spoken to said that the project cannot be delayed until the summer. We have spoken with the superintendent for the schools, a safety person representing the schools, the building supervisor for all buildings of the schools, and an OSHA person who works for the State of New Mexico. Everyone has insisted that the materials are safe, but no one has verified that they are safe for children.

I completely trust your thoughts on how to handle the situation.
thank you,

FOIA exemption (b)(6) (privacy)
FOIA exemption (b)(6) (privacy)

3.

From: FOIA exemption (b)(6) (privacy)
To: Mary Cushmac/DC/USEPA/US@EPA
Date: 09/08/2010 01:24 PM
Subject: Re: follow-up to our conversation

Mary,

We have since received results for our sample test and IAQ test, they were chemicals we were told the IAQ consultant needs to investigate. But the most glaring result was formaldehyde exceeding the range by six fold, both the sample and IAQ test should be high concentration. This test was just performed, several weeks after the removal.

Best, FOIA exemption (b)(6) (privacy)

FOIA exemption (b)(6) (privacy)? FOIA exemption (b)(6) (privacy)

FOIA exemption (b)(6) (privacy)/ FOIA exemption (b)(6) (privacy)/ FOIA exemption (b)(6) (privacy)

FOIA exemption (b)(6) (privacy)

FOIA exemption (b)(6) (privacy). NC FOIA exemption (b)(6) (privacy)

FOIA exemption (b)(6) (privacy)
FOIA exemption (b)(6) (privacy)

4.

FW: Isocyanates, MDI

FOIA exemption (b)(6) (privacy) to FOIA exemption (b)(6) (privacy), FOIA exemption (b)(6) (privacy)
:

Cc Mary Cushmac
:

Another one This time COMPANY - says CCOMPANY admitted lot of other homeowner complaints. They ripped out the foam - but sounds like now lots dust - haven't fixed problem. Still odor. Similar symptoms as others - chest, upper airway. Can't stay in house.

FOIA exemption (b)(6) (privacy)

Mary - I gave him your email

----- Forwarded Message
From: FOIA exemption (b)(6) (privacy)

Date: Wed, 11 Aug 2010 14:38:13 -0400
To: FOIA exemption (b)(6) (privacy)

Subject: Fw: Isocyanates, MDI

FOIA exemption (b)(6) (privacy),

After quickly sending you the previous e-mail, I realized I should have explained my inquiry. I am a homeowner who in May had spray foam insulation installed in our new home. We have spent the past three months trying to remediate the off-gassing foam, of which, the past three weeks we have been out of the house. I am eager to speak with you about your research and how it pertains to our situation. For what it's worth, my wife is FOIA exemption (b)(6) (privacy)/ FOIA exemption (b)(6) (privacy)/ FOIA exemption (b)(6) (privacy)/ FOIA exemption (b)(6) (privacy)/ FOIA exemption (b)(6) (privacy)/ FOIA exemption (b)(6) (privacy).

Best, FOIA exemption (b)(6) (privacy)

FOIA exemption (b)(6) (privacy)

----- Forwarded by FOIA exemption (b)(6) (privacy)/ FOIA exemption (b)(6) (privacy)

on 08/11/2010 02:31 PM -----
FOIA exemption (b)(6) (privacy)
08/11/2010 02:07 PM

To FOIA exemption (b)(6) (privacy)

cc
Subject Isocyanates, MDI

FOIA exemption (b)(6) (privacy)

I received your contact info from someone you spoke to about Isocyanates, I would greatly appreciate an opportunity to discuss chemicals with you. Please give me a

call or let me know when you would be available to discuss.

Thank you, FOIA exemption (b)(6) (privacy)

FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy)

FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy)

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FOIA exemption (b)(6) (privacy)

FOIA exemption (b)(6) (privacy)

FOIA exemption (b)(6) (privacy), NC FOIA exemption (b)(6) (privacy)

O) FOIA exemption (b)(6) (privacy)

C) FOIA exemption (b)(6) (privacy)

5.

From: FOIA exemption (b)(6) (privacy)
To: Mary Cushmac/DC/USEPA/US@EPA
Date: 12/20/2010 11:37 PM
Subject: Fwd: Testing SPF insulation sprayed in my home

Dear Ms Cushmac,

I am forwarding you my email, sent to FOIA exemption (b)(6) (privacy)/ FOIA exemption (b)(6) (privacy) on October 21. I have received no response from her, either prompted by this letter or by a follow-up phone call to her answering machine on October 25, 2010.

As I indicated you in our telephone conversation today, FOIA exemption (b)(6) (privacy)/ FOIA exemption (b)(6) (privacy) contacted me in August, saying that. FOIA exemption (b)(6) (privacy) had found aldehydes in polyurethane spray foam insulation, and was willing to test the material sprayed in my house. There was no successful follow up, however, and Dr. FOIA exemption (b)(6) (privacy) did not respond to FOIA exemption (b)(6) (privacy) or her colleague, FOIA exemption (b)(6) (privacy), an environmental scientist, and she did not respond to my letter or phone call in October. Finally, Dr. FOIA exemption (b)(6) (privacy) did contact Dr. FOIA exemption (b)(6) (privacy) in mid-November with a commitment to set up a protocol and do the testing, according to Dr. FOIA exemption (b)(6) (privacy) by December, but none of us has heard anything more. I am eager to do the testing ASAP, so that I can know what is offgassing, and what remediation is practical and financially feasible, and to carry this out early in the spring. (I will have waited almost two years following the spraying to be able to use the space, assuming I can achieve this timetable.) I look forward to hearing from you at your earliest convenience about testing at one of FOIA exemption (b)(6) (privacy) facilities or elsewhere, specifically for offgassing aldehydes.

Thanks,

FOIA exemption (b)(6) (privacy)

From: FOIA exemption (b)(6) (privacy)

Date: Thu, Oct 21, 2010 at 2:58 PM
Subject: Testing SPF insulation sprayed in my home
To: FOIA exemption (b)(6) (privacy)

October 21, 2010

FOIA exemption (b)(6) (privacy)/ FOIA exemption (b)(6) (privacy)
FOIA exemption (b)(6) (privacy)
FOIA exemption (b)(6) (privacy)
FOIA exemption (b)(6) (privacy)
FOIA exemption (b)(6) (privacy)

Dear FOIA exemption (b)(6) (privacy),

I received an email from Mary Cushmac, Head of the DfE Program in the Office of Pollution Prevention and Toxics at the EPA, in May of this year saying that you have been "evaluating VOC emissions from samples of SPF insulation". She wrote that you "offered to test samples from [my] attic". It has taken me a while to follow up on this, but I would like to take advantage of your offer. My attic was sprayed with COMPANY "open cell" foam in June of 2009.

Off-gassing of irritant, volatile compound(s) continues unabated to this day, and I am unable to use the attic which I intended to convert to a home office. Mary Cushmac referred me last year to FOIA exemption (b)(6) (privacy)/ FOIA exemption (b)(6) (privacy), FOIA exemption (b)(6) (privacy), and I went there to be tested for exposure to isocyanates. I also sent foam samples to her colleague at FOIA exemption (b)(6) (privacy), FOIA exemption (b)(6) (privacy), who tested for isocyanates. As expected, both assays were negative. Drs. FOIA exemption (b)(6) (privacy) and FOIA exemption (b)(6) (privacy) speculated that the compounds off-gassing were amines, components of part B of the COMPANY mixture. Not set up to test for these, FOIA exemption (b)(6) (privacy) sent me a dozen vials containing samples of amines and other compounds he suspected as culprits, for a "sniff" comparison test. As you will know, all these congeners had either a fishy or a musty smell, and none came close to the smell of the off-gassing component(s), which has a sweet smell, vaguely reminiscent of wood or plywood. Based upon my work as a FOIA exemption (b)(6) (privacy) with several different aldehydes used in brain tissue fixation, I suspected aldehydes or ketones from the beginning. It is my understanding that you are equipped to sample for aldehydes. With this in mind, would you be willing to test samples of the foam from my attic? I wonder also if there exists apparatus that could be set up in the attic space to test the ambient air for aldehydes and related compounds? Having been prevented for using my attic space for 15 months, I am planning further renovations of the space, possible with some demolition, and for the rest, covering the foam, which was sprayed between and cut flush with the rafters, with foil backed ceiling board (to be plastered over), recommended by FOIA exemption (b)(6) (privacy), custom manufactured at considerable expense, and sitting in a warehouse awaiting its application. I look forward to hearing from you at the earliest opportunity.

Sincerely,

FOIA exemption (b)(6) (privacy)/ FOIA exemption (b)(6) (privacy)

FOIA exemption (b)(6) (privacy)
FOIA exemption (b)(6) (privacy)
FOIA exemption (b)(6) (privacy)

From: FOIA exemption (b)(6) (privacy)

To: Mary Cushmac/DC/USEPA/US@EPA

Date: 01/31/2010 12:54 AM

Subject: update: spf applied in my home

Dear Ms Cushmac,

Thank you for your referral to FOIA exemption (b)(6) (privacy)/ FOIA exemption (b)(6) (privacy). She is sending me equipment to test the foam. She is also going to do some medical tests. I have talked to lawyers, but in general they regard this area as too new, and are unlikely to be interested unless I am seriously ill! Knowing now as I do that COMPANY has been making this foam since the 1970's, I would suggest that public oversight regulatory and health agencies, such as your own, have been well behind the curve on this. I have attached the narrative of my situation in a letter that I addressed to FOIA exemption (b)(6) (privacy)/ FOIA exemption (b)(6) (privacy). (By the way, she says that the EPA could well afford to spend more money researching this problem, but doesn't because they are so focused upon airborne particulates....a really old problem!) I look forward to seeing the progress of your work on this problem, as well as better oversight of the industry, and more funding of research in the area.

Yours,

FOIA exemption (b)(6) (privacy)

1 Attachment

January 20, 2010

Dear FOIA exemption (b)(6) (privacy),

The following is a narrative of my personal experience with spray polyurethane foam (spf).

In the winter and spring of 2009, I undertook the renovation of my unfinished attic at my home in FOIA exemption (b)(6) (privacy), RI, with the object of converting the unused space to storage and a home office. On November 31, 2009, I moved my office from a rented space into the partly finished attic, but have not been able to use it because of increasing sensitivity to some chemical or chemical substances emanating from the spf sprayed on the roof rafters.

I was the general contractor on the job of attic renovation, and sought bids from five builders for the installation of a new floor, installation of vents, skylights, and a roof window, as well as framing the interior knee wall. I discussed with each in addition their recommendations for insulation of the roof, having done a good deal of research on this subject. I was convinced at the time that in a 90-year-old frame house such as mine, in a coastal, southern New England climate, a vented system with fiberglass batting under-roof-channels, soffit and roof vents would be best. The builder I selected, as well as most of the others, persuaded me that spf, "COMPANY" foam, was the best option. It was pointed out to me that a hip roof, such as mine, could not be satisfactorily ventilated. Moreover, I was told that the insulating properties of the foam were such that in summer it would only be 10 degrees warmer an in the winter 10 degrees cooler in winter than the floor below.

I can now attest to the fact that these touted temperature differentials are correct, and the spray foam performs its insulating function as expected. At no time, however, in our discussions of spf, was any mention made of any short term or long term risk of toxicity from the foam or its chemical components, nor was there anything in my search on the internet, nor were there any caveats expressed in any literature I received, nor in any discussions with the two spf contractors that I interviewed about toxicity. In fact, it was quite the opposite.

Everything about the foam was "green" and good. This misrepresentation was exemplified in the name of the company I chose for the spraying: COMPANY.

Plywood flooring was installed in the attic from May 6-13. The floor was painted with 2-3 coats of paint from May 31 – June 3. A few days after application of the paint there was no lingering odor of VOCs.

On June 23 and 24, COMPANY foam (1/2 lb.) was sprayed on the exposed roof boards and rafters by COMPANY. During the second half of the second day, the sprayed material was trimmed back flush with the inner rafter edges, and a cleanup of the material was undertaken. During the application of foam and the clean-up, areas not to be sprayed, as well as the opening of the drop-down staircase to the second floor were covered in plastic sheeting.

Twenty-four hours after the job was completed, I went up into the attic and immediately noticed a peculiar odor that has remained undiminished up to the present day. The odor is both sweet and sour, somewhat reminiscent of new plywood or particle-board, but more pungent. I complained to COMPANY about incomplete clean-up of small particles of foam on the floor and the persistent odor. I swept up small particles of foam in the central area inside the knee-wall. On July 13, Environmental Foam Systems came to clean up further, but claimed not to smell the odor. The attic space has two venting skylights, a larger roof window, and a "mushroom" ventilator which is always open.

On November 30, my office was moved into the attic space. Since that time I spent increasing amounts of time in the attic organizing furniture, and unpacking files books, and other materials.

In mid-December, after spending a few hours a day for several days in succession, I began to experience FOIA exemption (b)(6) (privacy)/ FOIA exemption (b)(6) (privacy)/ FOIA exemption (b)(6) (privacy) after being in the attic space for more than one hour. Concerned about a potential hazard to my health, I was determined to find out more about the foam and the VOCs that were obviously emanating from the foam. After a good deal of searching the web, mostly encountering laudatory enthusiasm about foam, I happened upon a blog at "How things work", in which an individual reported an experience similar to my own. There was also a comment expressing similar concerns by a member of the EPA Interagency Workgroup on Spray Polyurethane Foams. I also found references to a web seminar that had taken place on December 2, 2009, sponsored by the EPA, entitled "What you need to know about the safe use of spray polyurethane foam (spf)". The leader of this workgroup, Mary Cushmac of the EPA, referred me to you, FOIA exemption (b)(6) (privacy)/ FOIA exemption (b)(6) (privacy)/ FOIA exemption (b)(6) (privacy), for consultation about potential health hazards of spfs and their chemical components.

The odor is still undiminished to the present day, January 20, 2010, and I am unable to go into the attic space except briefly to retrieve items for use elsewhere in the house. I have not yet noticed the attic odor at the second floor level of the house, probably because the trap-door admitting the drop-down stairway provides a fairly good seal.

I look forward to working with you to test for my exposure to potentially toxic chemical emanating from the foam, and testing of the foam itself for the presence of unreacted products and other volatile chemical components present, which will I expect document the basis for the odor I smell, and the irritation to my body tissues that I am experiencing in the attic space.

Yours truly,

FOIA exemption (b)(6) (privacy)

6.

From: FOIA exemption (b)(6) (privacy)
To: Mary Cushmac/DC/USEPA/US@EPA
Date: 09/07/2010 11:39 AM
Subject: follow-up of phone call we SPF

Mary

As discussed, please find attached some correspondence on the problems I have experienced with COMPANY Spray Polyurethane Foam ("SPF"). The correspondence is as follows:

- 1) Letter to COMPANY was sent by me to the general contractor putting him on formal notice of the problem he created at my home and demanding that he remediate it.
- 2) Letter to COMPANY updating them on this problem and asking them to stand behind their initial representations to me that they would cover the costs of remediation if the contractor did not.
- 3) COMPANY response to my letter; and
- 4) My response to them.

As you can see this has so far been a letter writing campaign with little positive results from the contractors and COMPANY. Unfortunately, I believe my next step will be to litigate. In the meantime, as we discussed, any information you have on either removing the SPF from the building or cleaning the vapors and off-gassing from my belongings will be invaluable as I need to take action to remediate my property. Thanks again for your time and information today. I can be reached at this email address as well as FOIA exemption (b)(6) (privacy) (office) and FOIA exemption (b)(6) (privacy) (mobile), and as I mentioned would welcome the opportunity to discuss this problem with others who have dealt with it in the past. Best,

FOIA exemption (b)(6) (privacy)

4 Attachments

7.

From: Marybeth Smuts/R1/USEPA/US
To: Mary Cushmac/DC/USEPA/US@EPA,
Cc: Carol Hetfield/DC/USEPA/US@EPA
Date: 01/28/2011 02:49 PM
Subject: Re: spray foam

I've 3 calls from homeowners on its health effects. I've heard from colleagues about their experiences, such as FOIA exemption (b)(6) (privacy)/ FOIA exemption (b)(6) (privacy), UMA who had experience with the spraying while her children and husband were in the home and with the heat on-they did have to leave the home.

yes, it is hard to address the spray foam companies when they say they been using this product for years with no complaints but there are complaints. For some numbers, the poison control offices might give you some data on calls.

-I was at home fairs where the spray foam co. were talking to clients and never mentioned that the home should be not occupied.

-I will circulate to others. I expect that some of these calls would go to the energy contacts and others to IAQ or to the risk assessors. I also believe that the Regional ATSDR staff get the calls too. these calls also go to the state health depts, for example CT Health Dept has their own factsheet on foam insulation, copied most of it from your site.

-Dr. Rose Goldman of the Children's health clinic in Boston and associated with MA Poison Control, funded by EPA and ATSDR, had some patients but then she is also occupational asthma specialist so may have reported to you on that.

Do you want me to circulate your request to Poison control and state health Dept- mainly their IAQ Office?

8.

From: FOIA exemption (b)(6) (privacy)

To: Steve Owens/DC/USEPA/US@EPA

Date: 04/28/2011 10:40 AM

Subject: Foam Insulation

Mr. Owens -

I recently read an article in a Hanley Wood building trade magazine that described an EPA effort to evaluate the health effects of two spray foam chemicals. This was of particular interest to me as my family has been living through a spray foam disaster that has resulted in significant health effects. As such, I would like to offer my personal experience and the remaining situation in my home as a candidate for study.

A little more than two years ago, I retrofitted my home's attic to use a sealed attic assembly. This was something that I had done in a different home with great success, so I was very excited about the potential improvement in both comfort and energy efficiency. Unfortunately, this excitement was short-lived as several weeks after installation the attic was producing a strong chemical smell. This smell did not abate and it actually would become much worse when outside conditions were sunny, windy, or humid. Within short order, my family began to develop FOIA exemption (b)(6) (privacy)/ FOIA exemption (b)(6) (privacy)/ FOIA exemption (b)(6) (privacy)/ FOIA exemption (b)(6) (privacy). It is important to note that these symptoms would disappear when we were out of our home for several days and they would return after about 72 hours in the home. On numerous occasions guests left our home because of the symptoms they were experiencing.

Repeated attempts to contact the installation contractor for a solution were unsuccessful. Repeated attempts to contact the foam manufacturer have yielded some results, but the process has been very slow. The manufacturer representatives have been reluctant to admit there is a problem and their initial attempts to fix the problem only made matters worse.

I have engaged in IAQ testing of several types, including the use of an Industrial Hygienist. While this has not identified the exact chemical cause, it has confirmed that our indoor air has very, very high VOC levels despite massive amounts of HVAC filtration and an ERV.

After contacting Mason Knowles, an industry expert, I got a better understanding of what had gone wrong. Mason suggested that the foam had been mixed improperly and sprayed at a low temperature. I shared our conversation with the manufacturer and have managed to get some additional traction on a fix. Last December, the manufacturer reverted the attic to a vented assembly and sprayed more foam on the attic floor to isolate the living space. The situation has improved after this last work, but there is still a large volume of bad foam in the attic that is releasing chemicals that are proven by experience to cause respiratory issues.

This is only part of the story, and there are many more details that would be helpful to others who are suffering from similar problems. So again, if you are interested, I would like to offer up my home as a case study.

Thanks for your time,
FOIA exemption (b)(6) (privacy)/ FOIA exemption (b)(6) (privacy)

Home: FOIA exemption (b)(6) (privacy)
Cell: FOIA exemption (b)(6) (privacy)

9.

From: FOIA exemption (b)(6) (privacy)
To: FOIA exemption (b)(6) (privacy), FOIA exemption (b)(6) (privacy)
Cc: Mary Cushmac/DC/USEPA/US@EPA, FOIA exemption (b)(6) (privacy), FOIA exemption (b)(6) (privacy)
Date: 04/29/2011 03:13 PM
Subject: Follow-up FW: Odor

- FOIA exemption (b)(6) (privacy)/ FOIA exemption (b)(6) (privacy)

We're trying /hoping to move our project to completion -

1. I spoke to the Texas woman.
2. Below is an email today from the really nice (but distraught) Vietnam vet i've mentioned who put his life savings into his new house and now has nowhere to live. He's identified a local IH person who can do the sampling.
3. FOIA exemption (b)(6) (privacy) is arranging to sample home of our pt who will pay for analysis.
4. I spoke today to the principle of a school near FOIA exemption (b)(6) (privacy), Vermont. We recently saw a patient from the school. PU spray foam was applied last November 2010 - they had to close the school from Nov until Jan 2011 (moved the kids temporarily to another school). She says they've ventilated etc but that there is still an odor and complaints. They're interested in sampling. I think someone from State of Vt health dept could probably facilitate. It would be very helpful to do a school as far as raising awareness of potential problems / issues (even better an elementary school).

Per my discussion with FOIA exemption (b)(6) (privacy) earlier this week - maybe if you do odor testing first on foam - and if smell nothing - we reconsider doing analysis on.
Hope this seems reasonable to all.
We most appreciate your willingness to collaborate on this project.

FOIA exemption (b)(6) (privacy)

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Tel: FOIA exemption (b)(6) (privacy)
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Cell Phone: FOIA exemption (b)(6) (privacy)

FOIA exemption (b)(6) (privacy)

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Forwarded Message

From: FOIA exemption (b)(6) (privacy)

Date: Thu, 28 Apr 2011 18:17:26 -0400

To: FOIA exemption (b)(6) (privacy)

Subject: Odor

Yes, FOIA exemption (b)(6) (privacy), the odor is still there. I had a man that used to spray foam look at the house in January and he said that he could still smell the foam and it smelled like a house that had been done correctly about two days earlier. I have not been back in the house since October 1st and it caused me to have that chest pain again. I sure hope we can get something done soon. Thanks again for your help....FOIA exemption (b)(6) (privacy)

10.

From: FOIA exemption (b)(6) (privacy)

To: William Swietlik/DC/USEPA/US@EPA

Date: 11/04/2011 01:20 AM

Subject: Spray Foam

Hi William:

I came across your contact reading up on spray foam after having it applied to my crawl wall and header this past week. I believe I had COMPANY 2lb closed-cell Spray Foam for basements sprayed in by COMPANY

We were told we could stay during the application and to crack a window if needed.

Me and my family are experiencing headaches from it and can smell the off-gassing coming up into our living space ever since.

I have been told it is non-toxic - yet can't deny the effects being experienced.

I was wondering if you could give me any advice about this product and if it is safe for me to have it in my crawl?

Sincerely,

FOIA exemption (b)(6) (privacy)

From: FOIA exemption (b)(6) (privacy)
To: William Swietlik/DC/USEPA/US@EPA
Cc: FOIA exemption (b)(6) (privacy)

Date: 12/07/2011 06:04 AM
Subject: COMPANY Exposure Follow-up

Hi William:

Your information in regards to the spray foam has been very informative and I want to thank you for that. In fact, more informative than anyone else that I have talked with over the past month. In regards to the email sent to FOIA exemption (b)(6) (privacy)- yes we do live in Canada. The municipality we reside in is called FOIA exemption (b)(6) (privacy), however, you would probably be more familiar with our neighboring community Vancouver, more notable for the recent winter Olympics (which is about a 15 minute drive from our location).

At present, we have not returned to our place. We have found alternative living arrangements - we are basically renting and living in another place at present. We vent our place during the day yet only usually stick around for 30 minutes or so, as we both get FOIA exemption (b)(6) (privacy)/ FOIA exemption (b)(6) (privacy) symptoms upon being inside for even a small amount of time. The symptoms somewhat subside when being away, although not completely and reappear more prevalent when engaging in any kind of exercise, anywhere.

We have been prescribed FOIA exemption (b)(6) (privacy) and FOIA exemption (b)(6) (privacy), and more recently, I have been referred to get FOIA exemption (b)(6) (privacy). Needless to say, we still have health concerns. Furthermore, my wife and I both sense this chemical like smell (although a lot less to what we experienced at first) throughout our place that is noticeable as soon as you walk through the front door, every time. It is a smell unlike anything we have ever experienced, aside from when the spray foam was first installed and ever since then. Even though I think the off-gassing has stopped, there seems to be this chemical like stench literally saturated throughout our place. The contractor who finally came back to check out the job basically looked inside the crawl for several minutes, and said the job looked good. He once again stated the spray foam is non-toxic, has never had any complaints about the work with this particular product that he has been using apparently since 2006 and even brought a piece out with him that he chewed/ate as a way to somehow comfort us that it is a harmless product.

I received indoor air quality (IAQ) test results which I paid for myself and you are welcome to read the confidential report, which I will attach to this email.

Our next steps are to continue working with a doctor in hopes of getting healthy again and to also hire someone to thoroughly clean our place, including the ducts. I have also thought about completely removing this product from my place, yet fear the possibility of creating more problems that could result from the spray foam removal, in which I think would have to be scrapped off the walls and joists that rest on the foundation walls of where it was sprayed - not sure how else it would come off.

Nonetheless, we are hoping to fix this in a proper and safe manner and looking into the alternatives on how to do so as I have little to no experience dealing with this product and the issues that have come about.

We were told about an Ozone type shock treatment that could eliminate the chemical smells inside as a way to deep clean, although I am not overly optimistic about using anymore harsh products indoors and unsure about the IAQ effects that could result.

Again, any information and feedback is greatly appreciated.

Sincerely,

FOIA exemption (b)(6) (privacy)

ATTACHMENT

11.

From: FOIA exemption (b)(6) (privacy)
To: William Swietlik/DC/USEPA/US@EPA
Date: 01/20/2012 04:39 PM
Subject: RE: Interest in Spray Foam Working Group

Bill, I have a client, a town in Massachusetts, that installed closed cell foam in the attic of Town Hall, a project of the stimulus program. There is a strong fishy-type odor from the installation and the municipality is interested in knowing the best way to address it - seal, treat, remove or re-install.

Any suggestions for resources?

Thanks,

FOIA exemption (b)(6) (privacy)

12.

From: FOIA exemption (b)(6) (privacy)
To: William Swietlik/DC/USEPA/US@EPA
Date: 03/07/2012 03:56 PM
Subject: FW: Laboratory Results FOIA exemption (b)(6) (privacy)

Date: Tue, 13 Dec 2011 16:50:40 -0500

From: FOIA exemption (b)(6) (privacy)

To: FOIA exemption (b)(6) (privacy)

Subject: Laboratory Results FOIA exemption (b)(6) (privacy), project

Here are the results for your samples from location FOIA exemption (b)(6) (privacy), project AIR SAMPLE received in

our laboratory on 12/06/2011.

Online surveys are here!

Please let us know about your experience by clicking FOIA exemption (b)(6) (privacy) and completing our brief survey. We thank you for your feedback and continued business!

Viewing the attached PDF report requires that the free Adobe Acrobat reader be installed on your computer. Instructions for downloading and installing the Acrobat reader can be found at <http://www.adobe.com/products/acrobat/readstep2.html>

Should you have any questions please call your representative, FOIA exemption (b)(6) (privacy) at FOIA exemption (b)(6) (privacy).

Thank you!

This email and any attachments are confidential and are for the use of the intended recipient only. Any dissemination of this information is strictly prohibited. If you have received this email in error, please call FOIA exemption (b)(6) (privacy) immediately and destroy this communication. FOIA exemption (b)(6) (privacy)

1 ATTACHMENT

From: FOIA exemption (b)(6) (privacy)
To: William Swietlik/DC/USEPA/US@EPA
Date: 03/15/2012 12:36 PM
Subject: FW: The CPSC Notified the Manufacturer about Your Report No. FOIA exemption (b)(6) (privacy)

Just thought that I would forward this to you too.

From: donotreply@cpsc.gov
To: FOIA exemption (b)(6) (privacy)

Date: Mon, 12 Mar 2012 10:38:47 -0400
Subject: The CPSC Notified the Manufacturer about Your Report No. FOIA exemption (b)(6) (privacy)

FOIA exemption (b)(6) (privacy),
On Monday, March 12, 2012, the U.S. Consumer Products Safety Commission sent your Report No. FOIA exemption (b)(6) (privacy) to the manufacturer or private labeler of the consumer product described in your Report. If you consented to give your contact information to the manufacturer or private labeler, that information was also provided.

What can a manufacturer ask me about my Report?

If the manufacturer or private labeler has your contact information, they may contact you to verify the information in your Report. A manufacturer or private labeler cannot use or disseminate your contact information for any purpose other than to verify the information in your Report. A manufacturer or private labeler may not use contact information received from the CPSC for activities such as sales, promotion, warranty, or any other commercial purpose. This requirement does not prevent you from contacting a manufacturer or private labeler for any purpose or from seeking a resolution from the manufacturer or private labeler, if you so desire.

If you have any questions, please visit www.SaferProducts.gov, or call (800) 638-2772.

Thank you for using SaferProducts.gov.

This is an automated message. Do not reply to this e-mail address.

*****!!! Unless otherwise stated, any views or opinions expressed in this e-mail (and any attachments) are solely

those of the author and do not necessarily represent those of the U.S. Consumer Product Safety Commission. Copies of product recall and product safety information can be sent to you automatically via Internet e-mail, as they are released by CPSC. To subscribe or unsubscribe to this service go to the following web page:
<https://www.cpsc.gov/cpsclist.aspx> *****!!! --

From: FOIA exemption (b)(6) (privacy)
To: William Swietlik/DC/USEPA/US@EPA
Date: 03/13/2012 11:10 AM
Subject: RE: Additional information on SPF insulation

Dear Mr. Swietlik, Thank you for the links and information. I have already filed a complaint with the Consumer Product Safety Commission: FOIA exemption (b)(6) (privacy). Yesterday, I received an email from them, stating that they had sent a copy of the complaint to CertainTeed, the manufacturer. I am also looking forward to your on receiving your review of the lab results that I sent you. I was at my house yesterday, because I had to turn the dehumidifier on in the basement. While there, I opened my back door, on my return from the basement while walking across my side yard, I could smell the strong sweet odor. I locked the door, drove down the road, and had a good cry, my little cottage in the present state is essentially ruined until it is removed. The odor is stronger, and no one could deny that it exists. This is such an important public health issue, even though no one would wish this on themselves, I want to do my part to make sure that this does not happen to anyone else, or that it does not contribute to some innocent person's ill health, or death. In a world where the consumer seems to have less and less protection, your work in this area, restores my faith. Yesterday, when I arrived back to my temporary home, in a fit of anger, I called FOIA exemption (b)(6) (privacy) at COMPANY, the first person who I spoke with there, who is a Nationwide trainer, for Polyurethane Spray Foam Insulation, I explained the situation to him, again, and he said that he would "open the case up again", and "do his best to go through the process at his job to get an investigation into my situation going again." I asked him to please not send FOIA exemption (b)(6) (privacy) out to my house again. He said, he would not, that he would work to send another rep out along with a chemist from COMPANY the chemical company that supplies them. Of course, I welcome this. Anyway, that I can be of help for the good of the public, let me know. And, thank you again. If anyone from your office would like to come to my house, that is fine with me, in fact, I would welcome it. In conclusion, as a layman, I may not know for sure WHAT is causing the odor, but I KNOW without a doubt that it is there, it is strong, and it does not belong there.

Thank you, again. FOIA exemption (b)(6) (privacy)

----- Forwarded by William Swietlik/DC/USEPA/US on 03/16/2012 08:35 AM -----

From: FOIA exemption (b)(6) (privacy)
To: William Swietlik/DC/USEPA/US@EPA
Date: 03/08/2012 10:10 AM
Subject: Photos FOIA exemption (b)(6) (privacy)



Photos FOIA exemption (b)(6) (privacy)



13.

From: "Wilder, Lynn (ATSDR/DHAC/OD)" <lxw2@cdc.gov>
To: Carol Hetfield/DC/USEPA/US@EPA,
Date: 10/26/2011 07:55 PM
Subject: RE: Green Building Advisor article on SPF

Hi Carol

Can you send me the web link for the green building conf. in Atlanta. An NCEH coworker is interested, and I can't find it in my 10,000+ emails!

On another note, the SC homeowner I mentioned on our last call contacted me today. He's the one who had SPF applied to a home he was building and has had health problems ever since. He stopped construction--there's not even any drywall in the home yet. He told me that during application, only one of several employees had a respirator, they sealed off all of the windows and doors with plastic, and told him to wait 24 hrs until returning. The application was done in December...he's gone back and looked at the weather--there was a high of 52 degrees that day. He went back in the next day and removed the plastic and immediately started FOIA exemption (b)(6) (privacy) and FOIA exemption (b)(6) (privacy)/ FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy). It sounds like he called the manufacturer and they sent out someone to investigate. He told me that the inspector came out of the house out of breath...had to sit down on

the front porch to talk with him. He mentioned that the guy said it was due to allergies (pollen). There's much more to this story and it's late. I did encourage him to call you and FOIA exemption (b)(6) (privacy) (a NC MD who's an expert in diagnosing diisocyanate asthma). He (the caller) sent me a few emails that I will forward. He's been dealing w/this problem for over a year and has gotten no real assistance or answers. He's asking quite reasonable questions (my opinion).
Hope all is well.
Lynn

From: "Wilder, Lynn (ATSDR/DHAC/OD)" <lxw2@cdc.gov>
To: Carol Hetfield/DC/USEPA/US@EPA,
Date: 10/26/2011 07:56 PM
Subject: FW: COMPANY Sample Results

1 of 3

From: FOIA exemption (b)(6) (privacy)

Sent: Wednesday, October 26, 2011 10:20 AM

To: Wilder, Lynn (ATSDR/DHAC/OD)

Subject: Fw: COMPANY Sample Results

This is the test done by FOIA exemption (b)(6) (privacy)..... FOIA exemption (b)(6) (privacy)

----- Forwarded Message -----

From: FOIA exemption (b)(6) (privacy)

To: FOIA exemption (b)(6) (privacy)

Sent: Tuesday, February 23, 2010 10:33 PM

Subject: **COMPANY** Sample Results

FOIA exemption (b)(6) (privacy),

ATTACHMENT

From: "Wilder, Lynn (ATSDR/DHAC/OD)" <lxw2@cdc.gov>
To: Carol Hetfield/DC/USEPA/US@EPA,
Date: 10/26/2011 07:56 PM
Subject: FW: COMPANY Sample Results

2 of 3

From: FOIA exemption (b)(6) (privacy)

Sent: Wednesday, October 26, 2011 10:36 AM

To: Wilder, Lynn (ATSDR/DHAC/OD)
Subject: Re: COMPANY Sample Results

S&ME took the samples using a vacuum/canister method and sent these samples to two companies to have them analyzed but I do not know the methods used..... FOIA exemption (b)(6) (privacy)

From: "Wilder, Lynn (ATSDR/DHAC/OD)" <lxw2@cdc.gov>
To: FOIA exemption (b)(6) (privacy)

Sent: Wednesday, October 26, 2011 10:24 AM
Subject: RE: COMPANY Sample Results
Thanks FOIA exemption (b)(6) (privacy)

Is there any way you can find out the method they used to analyze the sample?

Lynn Wilder, Ph.D., CIH
Associate Director for Science
Division of Health Assessment and Consultation, ATSDR
4770 Buford Highway, NE (F-59)
Atlanta, GA 30341
770-488-3688
678-814-5142 (C)

lwilder@cdc.gov

From: "Wilder, Lynn (ATSDR/DHAC/OD)" <lxw2@cdc.gov>
To: Carol Hetfield/DC/USEPA/US@EPA,
Date: 10/26/2011 07:57 PM
Subject: FW: foam insulation

Oops...4 emails, so this is 3 of 4

From: FOIA exemption (b)(6) (privacy)

Sent: Wednesday, October 26, 2011 10:39 AM
To: Wilder, Lynn (ATSDR/DHAC/OD)
Subject: Fw: foam insulation

----- Forwarded Message -----

From: FOIA exemption (b)(6) (privacy)

To: FOIA exemption (b)(6) (privacy)

Sent: Friday, February 18, 2011 3:24 PM
Subject: Re: foam insulation

We are making plans with a company to sample some houses. Would involve sending them piece of

foam and also air sampling in the house. No cost to you. But would need someone locally to help with doing the air sampling (you or friend could obtain foam sample and ship according to directions). This would be helpful to document ongoing exposures. Company will measure for numerous potential chemicals could be off-gassing from the foam. By sending them piece of foam which they sample in a chamber can "prove" chemicals coming from the foam and not something else in the house. Have you used an industrial hygiene, environmental monitoring company in the area ?I don't remember. If not would try and locate someone locally. We would send you the protocol. They would do the sampling in your home and ship to lab to analyze. Lab would be COMPANY.

Email your tel #. FOIA exemption (b)(6) (privacy)our industrial hygienist will be in touch.
FOIA exemption (b)(6) (privacy)

On 2/18/11 3:11 PM, " FOIA exemption (b)(6) (privacy) wrote:

Thanks for responding to my e-mail, FOIA exemption (b)(6) (privacy). I know that you are a very busy person and I appreciate your willingness to try and help me. I live about thirty miles north of Augusta, Ga in the small town of FOIA exemption (b)(6) (privacy) , SC. FOIA exemption (b)(6) (privacy). I know that you had said that you thought that the insulation, COMPANY, would cure out from the heat in the summer but I don't think this has been the case with me. If you could get someone to look at it for me I would be greatly appreciative.

Sincerely,
FOIA exemption (b)(6) (privacy)

FOIA exemption (b)(6) (privacy)
FOIA exemption (b)(6) (privacy), SC FOIA exemption (b)(6) (privacy)

From: FOIA exemption (b)(6) (privacy)
Sent: Thursday, October 27, 2011 5:57 AM
To: Wilder, Lynn (ATSDR/DHAC/OD)
Subject: Re: COMPANY Sample Results

Dr. Wilder, I'm sorry....I did not realize that you were asking about the samples that my brother-in-law had done. These were physical samples that were taken, wrapped in aluminum foil, and sent. I do not know what method was used to analyze them... FOIA exemption (b)(6) (privacy)

14.

From: FOIA exemption (b)(6) (privacy)
To: Mary Cushmac/DC/USEPA/US@EPA
Date: 05/17/2011 10:52 AM
Subject: FOIA exemption (b)(6) (privacy) test

Hi Mary,

We have preliminary test results back from FOIA exemption (b)(6) (privacy) on our foam and IAQ which are attached. We have nothing else in our home to blame these levels on. The ZIP sheathing is low VOC and is cured, the pine framing is minimal in off gassing but yet all of this is found in our air and foam. We have concrete flooring, no drywall, paint, trim, cabinets - nothing.

We cannot afford \$15k more to test the sheathing, plywood on roof deck, and concrete in order to try to prove this is from the foam.

I find it amazing that with all our knowledge of chemicals that the EPA and others say this house is healthy to move my family into.

We are at the end of our rope. We are financially and emotionally wiped.

If you have any thoughts, please share them with us.

1 Attachment

..
FOIA exemption (b)(6) (privacy)
FOIA exemption (b)(6) (privacy)

15.

From: FOIA exemption (b)(6) (privacy)
To: Mary Cushmac/DC/USEPA/US@EPA
Date: 03/14/2011 05:14 PM
Subject: FW: contact information for Mary Cushmac

Dear Mary Cushmac,

We spoke with FOIA exemption (b)(6) (privacy) about our very similar nightmare with COMPANY Spray Foam Insulation. She told us that you wanted any experiences to be sent to you.

We feel there is something seriously wrong with a Company and a product that fails to inform consumers of potential dangers and fails to hold to higher standards when it comes to educating installers. Asthma and chemical sensitivities are critical health issues to have to live with and the chemicals in this Spray Foam Insulation, when sprayed off-ratio and with variations of temperature and humidity, are causing these terrible health issues, let alone, loss of people's homes, work, health... Please take a closer look at the issue of Spray Foam Insulations and please help us, please.

Attached is the initial "diary" much has happened since, so if you need more info, please let us know. It would be wonderful to speak with you.

FOIA exemption (b)(6) (privacy)
FOIA exemption (b)(6) (privacy)
FOIA exemption (b)(6) (privacy)

COMPANY Information

FOIA exemption (b)(6) (privacy)

INSTALLATION by COMPANY Co.

FOIA exemption (b)(6) (privacy)

1-24-11

FOIA exemption (b)(6) (privacy)

, FL FOIA exemption (b)(6) (privacy)

12-27-10 COMPANY came and vacuumed out the insulation from the attic while wearing white suits.

12-28-10 COMPANY came 7:00am, put on white suits and masks, began spraying COMPANY Spray Foam Insulation by 8:00am. Around 9:30am we began to notice FOIA exemption (b)(6) (privacy), FOIA exemption (b)(6) (privacy) and FOIA exemption (b)(6) (privacy)/FOIA exemption (b)(6) (privacy). Our FOIA exemption (b)(6) (privacy) slept late that day and we got him up a little after 9:00am and asked him how he felt. Immediately he said, "FOIA exemption (b)(6) (privacy)." FOIA exemption (b)(6) (privacy) left around 9:45am for the day. FOIA exemption (b)(6) (privacy) stayed in the house ALL DAY. He felt FOIA exemption (b)(6) (privacy) and FOIA exemption (b)(6) (privacy) and had to go lay down outside several times. NO ONE TOLD US NOT TO BE IN THE HOUSE WHILE THEY WERE SPRAYING!

Evening came and FOIA exemption (b)(6) (privacy) and FOIA exemption (b)(6) (privacy) came home and FOIA exemption (b)(6) (privacy) in the house, FOIA exemption (b)(6) (privacy) and FOIA exemption (b)(6) (privacy) and FOIA exemption (b)(6) (privacy). FOIA exemption (b)(6) (privacy) said he felt the same, plus FOIA exemption (b)(6) (privacy). We had to stay at our friend's home for the night. COULDN'T STAY IN THE HOUSE.

12-29-10 Had our friend's bring their MOTOR HOME over to our house and we parked it in the drive way. WE COULDN'T STAY IN THE HOUSE. We lived in the Motor Home for 12 days and 11 nights, then we moved back in and HAVE BEEN OPENING THE WINDOWS AND DOORS EVERY DAY WE CAN TO AIR OUT THE HOUSE.

DURING THAT TIME, FOIA exemption (b)(6) (privacy)/ FOIA exemption (b)(6) (privacy), FOIA exemption (b)(6) (privacy)/ FOIA exemption (b)(6) (privacy), FOIA exemption (b)(6) (privacy)/ FOIA exemption (b)(6) (privacy), FOIA exemption (b)(6) (privacy)/ FOIA exemption (b)(6) (privacy), FOIA exemption (b)(6) (privacy)/ FOIA exemption (b)(6) (privacy), FOIA exemption (b)(6) (privacy)/ FOIA exemption (b)(6) (privacy), FOIA exemption (b)(6) (privacy)/ FOIA exemption (b)(6) (privacy).

We borrowed our friend's SHOP FAN and have been using it to blow the air out of the attic.

1-24-11 WE ARE STILL AIRING OUT THE HOUSE AND USING THE SHOP FAN DAILY! The home, 28 days later, is still FOIA exemption (b)(6) (privacy)/ FOIA exemption (b)(6) (privacy), FOIA exemption (b)(6) (privacy)/ FOIA exemption (b)(6) (privacy), FOIA exemption (b)(6) (privacy)/ FOIA exemption (b)(6) (privacy), FOIA exemption (b)(6) (privacy)/ FOIA exemption (b)(6) (privacy),

PS

1. Temperature when foam was sprayed starting at 28 degrees.
2. FOIA exemption (b)(6) (privacy)/ FOIA exemption (b)(6) (privacy), FOIA exemption (b)(6) (privacy)/ FOIA exemption (b)(6) (privacy), FOIA exemption (b)(6) (privacy)/ FOIA exemption (b)(6) (privacy), FOIA exemption (b)(6) (privacy)/ FOIA exemption (b)(6) (privacy), took cut out of FOAM and product was varigated with veins of deeper yellow color.

1-26-11 This is a copy of the letter we gave to COMPANY. They are aware of everything as on 1-24-11 a COMPANY Rep. and the owner of the COMPANY came to our home. They spent 5hrs or so here at the house. The COMPANY Rep. went right up to the attic and then, without, as much as a "hello" he went out on the front lawn and called his supervisor. He was talking a pretty long time. The advice was to ventilate. So, another fan has been put into the attic. The idea was to pull the air through and out. So, a soffit was punched out and that was the air access on the other side of the house. Over night, the smells came pouring through the house. We were coughing, achy, with headaches and just couldn't stay in the house in the morning. We unplugged that other fan. Opening the windows again during the day. We live in FLorida and for now, we can open the house up during the day. (Not looking forward to the summer - with this) Turned the other fan around and we are sucking the air OUT both sides of the home. THE SMELL IS SOOOO STRONG STILL!

1-27-11 Cutting down 2 Mature Citrus Trees and moving the RV onto property.

1-27-11 We have had to move the RV onto our property. In order to be considerate to our Home owners, we removed our fence, cut 2 good size Citrus Trees down and parked the RV on the side of the house and behind the fence. We still can not live in the home and are living in the RV. The FOIA exemption (b)(6) (privacy)/ FOIA exemption (b)(6) (privacy), FOIA exemption (b)(6) (privacy), still exists when we are in the home. We also bought 22 plants. The selection

came from a NASA website which tells which plants will help to purify the air from chemicals. Meanwhile, still running 2 fans 24/7 -in our attic.

1-31-11 COMPANY Rep. is coming to take foam samples.

A friend gave us the name of a local contractor and he came earlier this day. Some of his comments were that the company recommends that when you are spraying the foam, the air temperature needs to be 40 degrees or above and that he wouldn't spray unless it was at least 48 degrees. As mentioned above, our air temp. was in the 30s the day they sprayed here. Also, he mentioned that the spray was "deep" and that they are supposed to spray around 5 ½ inches deep but in our attic it was clearly 10 inches plus in many areas. He said, "If my guys did that job, they would be fired!"

The COMPANY Rep., did come and spoke to us for a long time. His background includes Chemistry and he seemed very knowledgeable. At first he seemed very cautious and wasn't readily inclined to go up into the attic to take a look, let alone take a sample. After discussing with him our situation and reaction and showing him the print out from the company -of the chemicals disclosed in the formula (except the ones that are NOT disclosed because of the "trade secret") he began to open up. He was concerned.

He did finally take foam samples and one comment he said was, "This foam was sprayed "cold" and I have never seen this before: the "cold" is on the OUTSIDE!" He asked us what WE want to have happen. Said that he will turn it over to another COMPANY Rep. And that person would call us, probably before the day is out. (He did not call that day nor the next, so far.) We are waiting to hear from him and he is supposed to tell us what to do next. Possibly get some ozone machines in here to "scrub the air."

1-30-11

Had an independent Contractor, who does work with this Spray Foam Insulation -come and check the job done by COMPANY. He looked at the job and some of his comments were, "It still smells some up here." "You got a lot... they put a lot on here!" (referring to the Spray Foam) "It should have been 5 inches deep, its very deep! Its 10 inches deep in many places." It seems that some areas were sprayed 3 inches deep and other 10-11 inches deep. He also mentioned something we were not told, "We tell people to cut off AC unit -12 hours before

and after. There is still a lot of off gassing." (This is 1 month after application -off gassing is supposed to occur over 24 to 48 hours.) These were some of the comments he made, although, he couldn't tell if anything was wrong with the foam, he did agree there was a strong odor still.

2-3-11

This is the e-mail from COMPANY REP,

Hello FOIA exemption (b)(6) (privacy),

I am working on a formal report and will have that to you as soon as I finish, but I wanted to let you know our recommendations for moving forward:

- COMPANY noticed that there is no air sealed separation between the attic over the living space and the attic over the garage and this violates the closed attic concept and should be resolved as soon as possible by COMPANY with either a sprayed dividing wall between these two attic locations or by spraying down on the attic floor over the garage to separate the garage/incidental outside air from the sealed attic space
-
- While there should be no continuous emission of amines after the spray application, the symptoms that you described could be associated with amines and as such we recommend an Amine neutralizer to be sprayed throughout the attic; I will include documentation for the amine neutralizer in forthcoming communication and will make arrangements to have the amine neutralizer available after the system corrections mentioned above have been completed

Best regards,
COMPANY REP , COMPANY

2- 4 to 10 -11

We continued to gather info re: Foam Insulation and came across 2 blogs which showed that people were occasionally having something go wrong with the Spray Insulation and the severe reactions and devastating consequences. Learning as much as possible!

Blogs: HowStuffWorks.com : <http://blogs.howstuffworks.com/2009/05/14/how-icynene-foam-insulation-works/comment-page-5/?commented=1#comment-60876>

GreenBuildingAdvisor.com

<http://www.greenbuildingadvisor.com/community/forum/green-products-and-materials/17739/odor-problem-attic-after-spray-foam-applied>

2-10-11

Spoke with "FOIA exemption (b)(6) (privacy)," and who, in mid-June 2009, had Spray Foam and is dealing with severe chemical sensitivities as a result.... gathering information...

2-11-11

COMPANY sent Company Representative from COMPANY to take air quality samples of general VOC's. As soon as he walked into the home he said, "I can tell there's something in the air – it will be interesting to see what the readings are." He and his wife spent several hours taking "general" readings. After they compiled their report they sat with us and gave us an "oral" rundown of what they found. He said there was NOT a sealed environment that we had "major leaks" in air vents, air conditioning and heating ducts.

And there was a "mingling of contaminated air with home air." Also, he mentioned that there was extremely high humidity which causes moisture which creates odors. And that from now on, we will have to manage our humidity levels. (This was the first time anyone told us that the Spray Foam would need a completely different maintenance management. Also, no one mentioned any specifics regarding "sealing" the environment. Neither did anyone from COMPANY go around our home and make sure everything was sealed.) What concerned us most was what Company Representative found re: VOC's. He said there was an understanding that levels in the range of 2 or less would be best for good air quality, but that we had levels of 6.8, 7.1 and 7.6 in our home -our living and breathing space! The levels in the attic were reading 6.7 and 7.... He felt the applied Foam was off gassing. (Again, this was after 6 weeks, and yet, they claim it off gasses over a 24 to 48 hr. period.) That did validate our concerns that the air we were breathing was an irritant.

2- 12 to 23 -11

We are still "living" in the RV. With windows open in the house and 2 high powered fans blowing in the attic, we are able to use the home briefly, for showers, cooking and then we sleep in the RV.

2-23-11

On the 15th, FOIA exemption (b)(6) (privacy), was looking at how much it would cost to get an independent air quality testing done. (We were told \$5,000) Googled many companies, Company Representative from COMPANY called me back. She was very knowledgeable and after talking with her we had her come out to take samples of the air, and foam. She is in contact with a Scientist named Representative from the University of Texas who is doing a study currently on the Spray Foam. She, with an assistant, came and took samples which will be sent to Texas and we look forward to the specific results in 6 to 10 days. We had to leave the area for overnight and stayed with friends for that time.

We are awaiting the final results of the testing. This we expect to get back to us by the end of this week. (maybe by March 18th at the latest).

From: FOIA exemption (b)(6) (privacy),
To: Mary Cushmac/DC/USEPA/US@EPA
Date: 03/29/2011 01:20 PM
Subject: IMPORTANT: FOIA exemption (b)(6) (privacy), with COMPANY SPRAY FOAM IINSULATION

Dear Mary Cusmac,

We wanted to contact you to let you know of our recent and devastating experience with COMPANY Spray Foam Insulation. Enclosed is a PARTIAL "Diary" of what we have experienced. There is much more to the "Diary." We had an independent Air Quality Test taken -not to take a reading of the "general VOCs" (-as COMPANY had an "Air Quality Test" taken), but we had the specific chemicals tested according to the FOAM's MSDS sheet. There is MUCH for us to be concerned about and we continue to have severe symptoms 3 months later. Please review our "Diary" and below is information regarding the results of the test. We want to have this reviewed, addressed, investigated and if there is any suggestion as to how we need to proceed, please let us know. There are OTHERS and yet will be MORE consumers that are and will be effected. We are in contact with several right now. As of now, there is

NO protection out there for the consumer!!!

COMPANY PRODUCT Information

FOIA exemption (b)(6) (privacy),

Spray Foam Insulation

FOIA exemption (b)(6) (privacy),

PRODUCT Information

FOIA exemption (b)(6) (privacy),, **FL**

INSTALLATION by COMPANY

FOIA exemption (b)(6) (privacy),

12-27-10 COMPANY came and vacumed out the Insulation from the attic while wearing white suits.

12-28-10 COMPANY came 7:00am, put on white suits and masks, began spraying the COMPANY Spray Foam Insulation (SPF)

FOAM by 8:00am. Around 9:30am we began to notice FOIA exemption (b)(6) (privacy)/ FOIA exemption (b)(6) (privacy), FOIA exemption (b)(6) (privacy)/ FOIA exemption (b)(6) (privacy), FOIA exemption (b)(6) (privacy)/ FOIA exemption (b)(6) (privacy), FOIA exemption (b)(6) (privacy)/ FOIA exemption (b)(6) (privacy), left around 9:45am for the day.)/ FOIA exemption (b)(6) (privacy), stayed in the house ALL DAY. FOIA exemption (b)(6) (privacy)/ felt FOIA exemption (b)(6) (privacy)/ FOIA exemption (b)(6) (privacy), FOIA exemption (b)(6) (privacy)/ FOIA exemption (b)(6) (privacy), FOIA exemption (b)(6) (privacy). NO ONE TOLD US NOT TO BE IN THE HOUSE WHILE THEY WERE SPRAYING! FOIA exemption (b)(6) (privacy)/ FOIA exemption (b)(6) (privacy), FOIA exemption (b)(6) (privacy)/ FOIA exemption (b)(6) (privacy), FOIA exemption (b)(6) (privacy)/ FOIA exemption (b)(6) (privacy), FOIA exemption (b)(6) (privacy)/ FOIA exemption (b)(6) (privacy), We had to stay at our friend's home for the night. COULDN'T STAY IN THE HOUSE.

12-29-10 Had our friend's bring their MOTOR HOME over to our house and we parked it in the drive way. WE COULDN'T STAY IN THE HOUSE. We lived in the Motor Home for 12 days and 11 nights, then we moved back in and HAVE BEEN OPENING THE WINDOWS AND DOORS EVERY DAY WE CAN TO AIR OUT THE HOUSE.

DURING THAT TIME, FOIA exemption (b)(6) (privacy)/ FOIA exemption (b)(6) (privacy), FOIA exemption (b)(6) (privacy)/ FOIA exemption (b)(6) (privacy), FOIA exemption (b)(6) (privacy)/ FOIA exemption (b)(6) (privacy), FOIA exemption (b)(6) (privacy)/ FOIA exemption (b)(6) (privacy)

(b)(6) (privacy), FOIA exemption (b)(6) (privacy)/ FOIA exemption (b)(6) (privacy), FOIA exemption (b)(6) (privacy)/ FOIA exemption (b)(6) (privacy)/ FOIA exemption (b)(6) (privacy), FOIA exemption (b)(6) (privacy)/ FOIA exemption (b)(6) (privacy), FOIA exemption (b)(6) (privacy)/

We borrowed our friend's SHOP FAN and have been using it to blow the air out of the attic.

1-24-11 WE ARE STILL AIRING OUT THE HOUSE AND USING THE SHOP FAN DAILY! The home, 28 days later, is still giving us FOIA exemption (b)(6) (privacy)/ FOIA exemption (b)(6) (privacy), FOIA exemption (b)(6) (privacy)/ FOIA exemption (b)(6) (privacy), FOIA exemption (b)(6) (privacy)/

PS

1. Temperature when foam was sprayed was in the 30's.
2. FOIA exemption (b)(6) (privacy) took cut out of FOAM and product was varigated with veins of deeper yellow color.

1-26-11 This is a copy of the letter we gave to COMPANY. They are aware of everything as on 1-24-11 a COMPANY Rep. and the owner of the COMPANY came to our home. They spent 5hrs or so here at the house. The COMPANY Rep. went right up to the attic and then, without, as much as a "hello" he went out on the front lawn and called his supervisor. He was talking a pretty long time. The advice was to ventilate. So, another fan has been put into the attic. The idea was to pull the air through and out. So, a soffit was punched out and that was the air access on the other side of the house. Over night, the smells came pouring through the house.

FOIA exemption (b)(6) (privacy)/ FOIA exemption (b)(6) (privacy), FOIA exemption (b)(6) (privacy)/ FOIA exemption (b)(6) (privacy), and just couldn't stay in the house in the morning. We unplugged that other fan. Opening the windows again during the day. We live in FLorida and for now, we can open the house up during the day. (Not looking forward to the summer - with this) Turned the other fan around and we are sucking the air OUT both sides of the home. THE SMELL IS SOOOO STRONG STILL!

1-27-11 Cutting down 2 Mature Citrus Trees and moving the RV onto property.

1-27-11 We have had to move the RV onto our property. In order to be considerate to our Home owners, we removed our fence, cut 2 good size Citrus Trees down and parked the RV on the side of the house and behind the fence. We still can not live in the home and are living in the RV. The FOIA exemption (b)(6) (privacy)/ FOIA exemption (b)(6) (privacy), FOIA exemption (b)(6) (privacy)/ FOIA exemption (b)(6) (privacy), FOIA exemption (b)(6) (privacy)/ still exists when we are in the home. We also bought 22 plants. The selection came from a NASA website which tells which plants will help to purify the air from chemicals. Meanwhile, still running 2 fans 24/7 -in our attic.

1-31-11 COMPANY Rep. is coming to take foam samples.

A friend gave us the name of a local contractor and he came earlier this day. Some of his comments were that the company recommends that when you are spraying the foam, the air temperature needs to be 40 degrees or above and that he wouldn't spray unless it was at least 48 degrees. As mentioned above, our air temp. was in the 30s the day they sprayed here. Also, he mentioned that the spray was "deep" and that they are supposed to spray around 5 ½ inches deep but in our attic it was clearly 10 inches plus in many areas. He said, "If my guys did that job, they would be fired!"

The COMPANY Rep., did come and spoke to us for a long time. His background includes Chemist and he seemed very knowledgeable. At first he seemed very cautious and wasn't readily inclined to go up into the attic to take a look, let alone take a sample. After discussing with him our situation and reaction and showing him the print out from the company -of the chemicals disclosed in the formula (except the ones that are NOT disclosed because of the "trade secret") he began to open up. He was concerned.

He did finally take foam samples and one comment he said was, "This foam was sprayed "cold" and I have never seen this before: the "cold" is on the OUTSIDE!" He asked us what WE want to have happen. Said that he will turn it over to another COMPANY Rep. And that person would call us, probably before the day is out. (He did not call that day nor the next, so far.) We are waiting to hear from him and he is supposed to tell us what to do next. Possibly get some ozone machines in here to "scrub the air."

Spray Foam is Very Deep

1-30-11

Had an independent Contractor, who does work with this Spray Foam Insulation -come and check the job done by COMPANY. He looked at the job and some of his comments were, "It still smells some up here." "You got a lot... they put a lot on here!" (referring to the Spray Foam) "It should have been 5inches deep, its very deep! Its 10 inches deep in many places." It seems that some areas were sprayed 3 inches deep and other 10-11 inches deep. He also mentioned something we were not told, "We tell people to cut off AC unit -12 hours before and after. There is still a lot of off gassing." (This is 1 month after application -off gassing is supposed to occur over 24 to 48 hours.) These were some of the comments he made, although, he couldn't tell if anything was wrong with the foam, he did agree there was a strong odor still.

2-3-11

This is the e-mail from FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy,

Hello FOIA exemption (b)(6) (privacy),

I am working on a formal report and will have that to you as soon as I finish, but I wanted to let you know our recommendations for moving forward:

- FOIA exemption (b)(6) (privacy) noticed that there is no air sealed separation between the attic over the living space and the attic over the garage and this violates the closed attic concept and should be resolved as soon as possible by COMPANY Insulation with either a sprayed dividing wall between these two attic locations or by spraying down on the attic floor over the garage to separate the garage/incidental outside air from the sealed attic space
- While there should be no continuous emission of amines after the spray application, the symptoms that you described could be associated with amines and as such we recommend an Amine neutralizer to be sprayed throughout the attic; I will include documentation for the amine neutralizer in forthcoming communication and will make arrangements to have the amine neutralizer available after the system corrections mentioned above have been completed

Best regards,
COMPANY Representative. Director of Engineering

office cell

2- 4 to 10 -11

We continued to gather info re: Foam Insulation and came across 2 blogs which showed that people were occasionally having something go wrong with the Spray Insulation and the severe reactions and devastating consequences. Learning as much as possible!

Blogs: HowStuffWorks.com : <http://blogs.howstuffworks.com/2009/05/14/how-icynene-foam-insulation-works/comment-page-5/?commented=1#comment-60876>

GreenBuildingAdvisor.com

<http://www.greenbuildingadvisor.com/community/forum/green-products-and-materials/17739/odor-problem-attic-after-spray-foam-applied>

2-10-11

Spoke with "FOIA exemption (b)(6) (privacy)"/ FOIA exemption (b)(6) (privacy), and who, in mid-June 2009, had Spray Foam and is dealing with severe chemical sensitivities as a result.... gathering information...

2-11-11

COMPANY sent Company Representative from COMPANY to take air quality samples of general VOC's. As soon as he walked into the home he said, "I can tell there's something in the air – it will be interesting to see what the readings are." He and his wife spent several hours taking "general" readings. After they compiled their report they sat with us and gave us an "oral" rundown of what they found. He said there was NOT a sealed environment that we had "major leaks" in air vents, air conditioning and heating ducts.

And there was a "mingling of contaminated air with home air." Also, he mentioned that there was extremely high humidity which causes moisture which creates odors. And that from now on, we will have to manage our humidity levels. (This was the first time anyone told us that the Spray Foam would need a **completely** different maintenance management. Also, no one mentioned any specifics regarding "sealing" the environment. Neither did anyone from COMPANY go around our home and make sure everything was sealed.) What concerned us most was what Company Representative found re: VOC's. He said

there was an understanding that levels in the range of 2 or less would be best for good air quality, but that we had levels of 6.8, 7.1 and 7.6 in our home -our living and breathing space! The levels in the attic were reading 6.7 and 7.... He felt the applied Foam was off gassing. (Again, this was after 6 weeks, and yet, they claim it off gasses over a 24 to 48 hr. period.) That did validate our concerns that the air we were breathing was an irritant.

2- 12 to 23 -11

We are still "living" in the RV. With windows open in the house and 2 high powered fans blowing in the attic, we are able to use the home briefly, for showers, cooking and then we sleep in the RV.

2-23-11

On the 15th, FOIA exemption (b)(6) (privacy) was looking at how much it would cost to get an independent air quality testing done. (We were told \$5,000) Googled many companies, Company Representative from COMPANY called me back. She was very knowledgeable and after talking with her we had her come out to take samples of the air, and foam. She is in contact with a Scientist named Representative from the University of Texas who is doing a study currently on the Spray Foam. She, with an assistant, came and took samples which will be sent to Texas and we look forward to the specific results in 6 to 10 days. We had to leave the area for overnight and stayed with friends for that time.

3-29-11 There is a lot more of a "Diary" I have for the month of March, but you can get the picture. We did proceed to have the air quality testing done and chemicals were identified by Representative of the University of Texas, as we have NOW received the report. **THERE ARE HIGH LEVELS (up to 5 times reference levels) OF CROTONALDEHYDE, ACETALDEHYDE, PROPIONALDEHYDE, AND FORMALDEHYDES in our attic and in our home.** These chemicals are easily found on the internet, and on the EPA website to include... "irritation to the eyes, skin, and respiratory tract in humans." "EPA has classified acetaldehyde as a Group B2, probable human carcinogen. (1,4)" <http://www.epa.gov/ttn/atw/hlthef/acetalde.html> Propionaldehyde: "Results in anesthesia and liver damage" "A federal hazardous air pollutant and was identified as a toxic air contaminant in April 1993 under AB 2728." <http://scorecard.goodguide.com/chemical-profiles/html/propionaldehyde.html> AND EVERYONE KNOWS HOW DANGEROUS **FORMALDEHYDE** IS!

NOTE: This test was taken after 8 weeks of continual high level ventilation and opportunity for off-gassing. Unquestionably level were substantially higher - earlier on.

We have learned that the rate in which FORMALDEHYDE is released depends on heat and humidity. WE LIVE IN FLORIDA --THE VERY DEFINITION OF HEAT AND HUMIDITY!!! It is worse in heat & humidity.

For these reasons and, in fact, there are MANY more chemicals on the list which concern us, we want this to be investigated!!!

Please contact us if you would. We would like to hear back from you as to what can be done about this situation.

FOIA exemption (b)(6) (privacy)/ FOIA exemption (b)(6) (privacy),
FOIA exemption (b)(6) (privacy)/
FOIA exemption (b)(6) (privacy),

16.

From: FOIA exemption (b)(6) (privacy)/
To: Carol Hetfield/DC/USEPA/US@EPA,
Date: 02/22/2012 10:12 AM
Subject: Fw: Report No. FOIA exemption (b)(6) (privacy) was Submitted to CPSC

Carol, I hope that this time it will be filed like you asked me to. If not, what do I do....FOIA exemption (b)(6) (privacy)

----- Forwarded Message -----

From: "donotreply@cpsc.gov" <donotreply@cpsc.gov>
To: FOIA exemption (b)(6) (privacy),

Sent: Wednesday, February 22, 2012 10:05 AM
Subject: Report No. FOIA exemption (b)(6) (privacy), was Submitted to CPSC

FOIA exemption (b)(6) (privacy),

Thank you for using SaferProducts.gov to submit your Report to the U.S. Consumer Product Safety Commission (CPSC). We received your Report No. FOIA exemption (b)(6) (privacy), on Wednesday, February 22, 2012.

Attached is a PDF copy of your Report. This is the only time you will be provided a copy of your Report. We suggest that you save it for future reference. Occasionally, the CPSC will contact a submitter to clarify information provided in a Report or to gather additional information. A representative from the CPSC may contact you in the future.

How will CPSC use this Report?

Reports we receive help us in our mission to protect the public from unreasonable risks of injury or death related to thousands of types of consumer products under the agency's jurisdiction. CPSC reviews every Report that is submitted. Where appropriate, we may undertake additional product investigations.

CPSC staff cannot respond to every Report on an individual basis. However, your Report is extremely important to CPSC because we are an agency that relies on Reports such as this to help us do our job.

What Happens Next?

If your Report meets the [minimum requirements](#) for publication on SaferProducts.gov, which include your consent to publish the Report, CPSC will send it to the identified manufacturer or private labeler within 5 business days, where practicable. If you provided consent, the manufacturer or private labeler will also receive your contact information, and may contact you to verify the information in your Report. A manufacturer or private labeler will have an opportunity to comment on your Report or make a claim that it contains confidential or materially inaccurate information. Reports that meet the minimum requirements for publication should be posted on SaferProducts.gov 10 business days after CPSC sends the Report to the manufacturer or private labeler.

Reports that do not meet the minimum requirements for publication will be maintained for internal use by CPSC.

If you have any questions, please visit www.SaferProducts.gov, or call (800) 638-2772.

Thank you again for using SaferProducts.gov.

This is an automated message. Do not reply to this e-mail address.

*****!!! Unless otherwise stated, any views or opinions expressed in this e-mail (and any attachments) are solely those of the author and do not necessarily represent those of the U.S. Consumer Product Safety Commission. Copies of product recall and product safety information can be sent to you automatically via Internet e-mail, as they are released by CPSC. To subscribe or unsubscribe to this service go to the following web page: <https://www.cpsc.gov/cpsclist.aspx> *****!!! --

1 Attachment

FOIA exemption (b)(6) (privacy),

From: Carol Hetfield/DC/USEPA/US
To: FOIA exemption (b)(6) (privacy),
Date: 02/22/2012 11:34 AM
Subject: Report No. FOIA exemption (b)(6) (privacy),
was Submitted to CPSC

Would you also consider notifying Joanna Matheson of CPSC directly, and tell her we have spoken several times as well. You may want to describe the air monitoring studies conducted by the Systems House in your unfinished home and the Systems House finding that high-levels of VOCs were present. You may also want to describe the independent testing you had conducted with a different reputable lab that showed the presence of diisocyanates weeks after product application.

Joanna can be reached at 301-504-7043, and jmatheson@cpsc.gov

I will also follow-up with her.

Carol Hetfield
EETD/OPPT/EPA
202-564-8792

From: FOIA exemption (b)(6) (privacy),
To: Carol Hetfield/DC/USEPA/US@EPA,
Date: 01/11/2012 07:03 PM
Subject: Fw: foam insulation

I'm sorry....this will be the last one.....this is from my contact with FOIA exemption (b)(6) (privacy), but all of this fell through

... FOIA exemption (b)(6) (privacy),

----- Forwarded Message -----

From: " FOIA exemption (b)(6) (privacy),

To: FOIA exemption (b)(6) (privacy),

Sent: Friday, February 18, 2011 3:24 PM

Subject: Re: foam insulation

We are making plans with a company to sample some houses. Would involve sending them piece of foam and also air sampling in the house. No cost to you. But would need someone locally to help with doing the air sampling (you or friend could obtain foam sample and ship according to directions). This would be helpful to document ongoing exposures. Company will measure for numerous potential chemicals could be off-gassing from the foam. By sending them piece of foam which they sample in a chamber can "prove" chemicals coming from the foam and not something else in the house. Have you used an industrial hygiene, environmental monitoring company in the area ?I don't remember. If not would try and locate someone locally. We would send you the protocol. They would do the sampling in your home and ship to lab to analyze. Lab would be FOIA exemption (b)(6) (privacy), . Email your tel #. FOIA exemption (b)(6) (privacy), our industrial hygienist will be in touch.

FOIA exemption (b)(6) (privacy),

On 2/18/11 3:11 PM,

FOIA exemption (b)(6) (privacy),

Thanks for responding to my e-mail, FOIA exemption (b)(6) (privacy). I know that you are a very busy person and I appreciate your willingness to try and help me. I live about thirty miles north of Augusta, Ga FOIA exemption (b)(6) (privacy), in the small town FOIA exemption (b)(6) (privacy), , SC. FOIA exemption (b)(6) (privacy), . I know that you had said that you thought that the insulation, COMPANY, would cure out from the heat in the summer but I don't think this has been the case with me. If you could get someone to look at it for me I would be greatly appreciative.

Sincerely,
FOIA exemption (b)(6) (privacy),

From: FOIA exemption (b)(6) (privacy)
To: Carol Hetfield/DC/USEPA/US@EPA,
Date: 01/11/2012 06:59 PM
Subject: FOIA exemption (b)(6) (privacy)

Ms. Hetfield, shortly after I talked with Company Representative and he sent a person to look at the house is when I got my first bill from Company Representative. His friend came on the second week in January and I got a bill from Company Representative in Feb.....This will be the last e-mail....I know you are tired of reading them, but I do thank you,

FOIA exemption (b)(6) (privacy),

----- Forwarded Message -----

From: Company Representative
To: xla1492@yahoo.com
Sent: Friday, December 10, 2010 9:36 AM
Subject: FOIA exemption (b)(6) (privacy),

----- Forwarded Message -----

From: Company Representative
Sent: Thursday, December 09, 2010 4:08 PM
To: FOIA exemption (b)(6) (privacy),

Subject: FOIA exemption (b)(6) (privacy),

Dear FOIA exemption (b)(6) (privacy),

I am in receipt of your e-mail dated December 2, 2010, and I am sorry that you are experiencing problems with the foam plastic insulation installed at your home. I reviewed your e-mail and offer the following:

It appears that the problem you have at hand may need further assessment/evaluation by professional experts in the field of polyurethane foam plastics manufacturing and/or installation. We at COMPANY are not set up to deal with cases such as yours, however I can refer you to an expert consultant in manufacturing and installation of foam plastics. You may want to contact the following consultant and discuss your problem with him to see if he can help you.

Company Representative
Company
Company ADDRESS
, VA

Tele: (
E-mail:

Regards,
Company Representative
.COMPANY

Hi Company Representative,

This email came in for you.

~ Company Representative

From: FOIA exemption (b)(6) (privacy),

Sent: Thursday, December 02, 2010 6:34 AM

To: FOIA exemption (b)(6) (privacy),

Subject: COMPANY Foam

Dear Company Representative,

I contacted you by phone last week and have been procrastinate about writing a complaint. I talked to you about this problem with the foam insulation installed in a newly constructed house being built by me. I am retired and have done most of the work on this house personally after I had a contractor dry in the structure. The contractor finished his job for me and after wards, I completed all of the wiring, most of the plumbing, and placed perlins in all of the walls. I worked in this house in the spring, summer, and fall of 2009 almost daily. I had six inch exterior wall studs put in the structure just to accommodate a good insulation factor. My brother convinced me to place the foam instead of fiberglass because he had heard it was better insulation. I was hesitant because of the cost and also I was afraid that the house would be too air tight and possibly cause a mold problem inside the house once it was completed but a salesman from COMPANY visited me and convinced me that mold would not be a problem.

On December 21st, Company Representative of HBS Foam called me and told me that he had a cancellation on a job and asked me if he could spray the house the next day. I agreed. His crew came the next day and sprayed the house. I went into the house the next day and detected a very strong odor but did not really think anything about it. They had convinced me that the product was safe after the first 24 hours. I worked in the house for a couple of days but then called Company Representative and told him of the problem with the odor. He came down in a couple of days and I told him that the foam was causing me FOIA exemption (b)(6) (privacy), . He said he did not think it was the foam but something else in the house. I told him that I had worked in the house for over six months without a problem of any kind. On January 2nd, FOIA exemption (b)(6) (privacy), t FOIA exemption (b)(6) (privacy),. They FOIA exemption (b)(6) (privacy), FOIA exemption (b)(6) (privacy). Later I went to a FOIA exemption (b)(6) (privacy), FOIA exemption (b)(6) (privacy). He said FOIA exemption (b)(6) (privacy), FOIA exemption (b)(6) (privacy), FOIA exemption (b)(6) (privacy), and advised me not to go back into the house and be exposed to the VOCs. I talked to a professor in a well known university about the problem and she said that maybe the summer heat would cause the foam to cure completely and it would be fine. On October 1st I went into the house to lock the doors that my brother had opened earlier. He has been venting the house for me since he does not seem to be bothered by the VOCs but that day he was not coming home so I decided to chance holding my breath long enough to lock the house for the night. I took only a few breaths while I completed closing up the house. The next morning FOIA exemption (b)(6) (privacy), but I really did not get too concerned about it but FOIA exemption (b)(6) (privacy), FOIA exemption (b)(6) (privacy), FOIA exemption (b)(6) (privacy), . They , FOIA exemption (b)(6) (privacy), FOIA exemption (b)(6) (privacy), They FOIA exemption (b)(6) (privacy), FOIA exemption (b)(6) (privacy). This product's smell is still very strong inside the house after nearly a year and my house is just sitting there. I still have not put up the dry wall inside the house and do not think I will ever be able to complete the house. I have one half my life cash savings involved in this construction and this foam product has caused me to completely loose it and all of the time that was involved to getting the house to its present state. COMPANY will not try to help me and they are saying that the VOCs are coming from something else in the house. There is nothing else exposed in the house except the sub-floor and I worked inside the house for over six months without any problem. I sure wish you could help me in some way. I am sending an attachment of a letter written by the installer with the product information and you can see by this letter how he is trying to avoid any responsibility.

Thanks,

FOIA exemption (b)(6) (privacy),

From: FOIA exemption (b)(6) (privacy),

To: Carol Hetfield/DC/USEPA/US@EPA,
Date: 01/11/2012 06:52 PM
Subject: foam insulation

These are letters that I wrote to Company Representative about my problem..... FOIA exemption (b)(6) (privacy),

2 additional ATTACHMENTS

From: FOIA exemption (b)(6) (privacy),
To: Carol Hetfield/DC/USEPA/US@EPA,
Date: 01/11/2012 06:50 PM
Subject: Fw: Your house

Ms. Hetfield, this is a friend that lives in my small hometown. She had been in the house several times without a problem before the foam was sprayed into the house.... FOIA exemption (b)(6) (privacy), she kids me about "Slick Willie"

----- Forwarded Message -----

From: FOIA exemption (b)(6) (privacy),

To: FOIA exemption (b)(6) (privacy),

Sent: Saturday, March 20, 2010 12:41 PM

Subject: Your house

Hey, don't let anyone tell you it's all in your head about the smell in your house. When FOIA exemption (b)(6) (privacy), went in with us this morning, I had to come out after about 5 minutes and coughed as hard as I could for about an hour. I can certainly understand where you're coming from. It didn't really affect FOIA exemption (b)(6) (privacy), but FOIA exemption (b)(6) (privacy), FOIA exemption (b)(6) (privacy) before he came out. I hope and pray the insulation folks can find a remedy for you. I certainly couldn't stay in there for any length of time. FOIA exemption (b)(6) (privacy),

FOIA exemption (b)(6) (privacy),

FOIA exemption (b)(6) (privacy),

From: FOIA exemption (b)(6) (privacy),
To: Carol Hetfield/DC/USEPA/US@EPA,
Date: 01/11/2012 06:47 PM
Subject: FOIA exemption (b)(6) (privacy), comments on Spray Foam

This guy has a different product but still has a problem.... FOIA exemption (b)(6) (privacy),

----- Forwarded Message -----

From: FOIA exemption (b)(6) (privacy),
To: FOIA exemption (b)(6) (privacy),
Sent: Wednesday, August 4, 2010 12:29 PM
Subject: Re: FOIA exemption (b)(6) (privacy), comments on Spray Foam

FOIA exemption (b)(6) (privacy), We moved in to a 25 year old home in February, did extensive renovations and were very happy. In May, we installed spray foam insulation in the attic, had terrible smell that would not subside even though the contractor kept telling us it would, which led to health effects. I had FOIA exemption (b)(6) (privacy), FOIA exemption (b)(6) (privacy), FOIA exemption (b)(6) (privacy), FOIA exemption (b)(6) (privacy). The effects to my FOIA exemption (b)(6) (privacy) are unknown. Our installer worked with us to ventilate, but this was not curing the problem, so we had the foam removed. It sounds like this is not an option for you. Unfortunately, after removal, replacement of the HVAC system and weatherizing the attic (sealing the penetrations) FOIA exemption (b)(6) (privacy), FOIA exemption (b)(6) (privacy), FOIA exemption (b)(6) (privacy), FOIA exemption (b)(6) (privacy), FOIA exemption (b)(6) (privacy). We are now living in a hotel. We met with attorneys yesterday for the first time and they advised us to get temporary housing, such as a rental house, because once we file suit the remediation process will slow. Do you know the product installed, was it by chance COMPANY insulation? I have been communicating via forums, e-mail and phone with others who are currently trying to figure out how to remediate. Our attorneys here in NC think we have a good case, especially when considering our mental distress. We just met with the attorneys yesterday, but I think there may be a class action lawsuit that comes out of all of these problems. Hopefully, our long term effects are reduced since we got out of the home, but there is no doubt in my mind we have been sensitized to the ammonia. Please let me know more particulars, as I'm sure like us, you have personal injuries (home, health, mental stability, etc...).

Best, FOIA exemption (b)(6) (privacy),

FOIA exemption (b)(6) (privacy),

FOIA exemption (b)(6) (privacy),

Attachment

08/04/2010 11:51 AM

To FOIA exemption (b)(6) (privacy),

cc

Subject Re: FOIA exemption (b)(6) (privacy),
comments on Spray Foam

FOIA exemption (b)(6) (privacy), so far, I have not had any success with this problem. I had COMPANY spray foam put in my house and they had convinced me that the foam was totally safe and would not off gas any VOC's but that was not the case with me. FOIA exemption (b)(6) (privacy), FOIA exemption (b)(6) (privacy), FOIA exemption (b)(6) (privacy), FOIA exemption (b)(6) (privacy), FOIA exemption (b)(6) (privacy), FOIA exemption (b)(6) (privacy),

I did get the company to do an air sample in the house and they are saying that the VOCs in the house are from something else. The only other thing open to the inside of the house is the flooring and I worked in the house for almost six months doing the wiring and plumbing without a problem. I know the smell of the foam totally but now I don't think that is going to happen.

I went on a short vacation but will be home this weekend and I am going to call Monday to see what they are saying about a sample that I sent for them to smell. I have talked with three lawyers about the problem but they don't seem to be too interested. Maybe they don't think enough money is involved. Let me know what you are doing with your case.

Thanks,
FOIA exemption (b)(6) (privacy),

--- On **Wed, 8/4/10**, FOIA exemption (b)(6) (privacy),
wrote:

From: FOIA exemption (b)(6) (privacy),
Subject: FOIA exemption (b)(6) (privacy)on Spray Foam
To: FOIA exemption (b)(6) (privacy),

Date: Wednesday, August 4, 2010, 8:36 AM

Sir,

I read a post FOIA exemption (b)(6) (privacy), wrote about your problems with spray foam, I too have not been able to live in my home after having COMPANY spray foam installed in May. Would you be open to sharing what you have done to remediate if anything, whether you have filed a claim against the installer, etc...

Thank you, FOIA exemption (b)(6) (privacy),

C) FOIA exemption (b)(6) (privacy),

From: FOIA exemption (b)(6) (privacy),
To: Carol Hetfield/DC/USEPA/US@EPA,
Date: 01/11/2012 06:44 PM
Subject: Fw: Industrial Hygiene Sampling

Ms. Hetfield, I did have the address with a comma instead of a period...but anyway I hope that you get this...it is the results of the air sample taken by S&ME testing....thanks, FOIA exemption (b)(6) (privacy),

----- Forwarded Message -----

From: Company Representative
To: FOIA exemption (b)(6) (privacy),

Cc: Company Representative; Company Representative; FOIA exemption (b)(6) (privacy)
Sent: Wednesday, June 23, 2010 3:07 PM
Subject: RE: Industrial Hygiene Sampling

FOIA exemption (b)(6) (privacy):

You will find attached, a copy of the Industrial Hygiene sampling report prepared by S&ME along with a letter that provides our recommendations.

Company Representative
Engineering Manager , COMPANY
(Toll free)
(Fax)
.com

From: FOIA exemption (b)(6) (privacy),

Sent: Wednesday, June 23, 2010 12:18 AM

To: Company Representative

Subject: Re: Industrial Hygiene Sampling

Yes, this is my correct e-mail..... FOIA exemption (b)(6) (privacy),

--- On **Tue, 6/22/10**, Company Representative > wrote:

From: Company Representative
Subject: Industrial Hygiene Sampling
To: FOIA exemption (b)(6) (privacy),

Date: Tuesday, June 22, 2010, 1:29 PM

FOIA exemption (b)(6) (privacy),

Can we use this email address to forward the information on to you?

Company Representative
Engineering Manager , COMPANY
(Toll free)
(Fax)
.com

This message, including any attachments, is privileged and may contain confidential information intended solely for the individual(s) to whom it is addressed. Any other distribution, copying or disclosure is strictly prohibited. If you are not the intended recipient or have received this message in error, please notify us immediately by reply email and permanently delete this email from us, including any attachments, without making a copy.

1 additional ATTACHMENT***** FOIA exemption (b)(6) (privacy)

17.

From: FOIA exemption (b)(6) (privacy),

Sent: Thursday, September 20, 2012 12:30 AM

To: dla3@cdc.gov; hetfield.carol@epa.gov; breedlove.amy@epa.gov; hanson.bill@epa.gov; swietlik.william@epa.gov; Carter, Janet - OSHA; tthomas@cpsc.gov; durttriesenberg@sprayfoam.org; neevacandelori@americanchemistry.com

Subject: dangers of spray foam sprayed in our home and safe removal

I am writing to all of you to seek guidance on a situation that we are experiencing in our home since having spray foam insulation sprayed onto the kneewalls of one of our bedrooms. The 2 part closed cell foam was applied back in April when 3 of my family members were home, none of us were told to leave our home during the installation. I told them that the product smelled horrible and asked when the smell would go away and was told by the installer that it always smells like that and the smell would go away in a few days, well it is now 5 months later and the smell has not gone away and has intensified in the summer heat. We have had to remove all the bedding and furnishings in the bedroom as we do not think it is safe to have anyone breathe the air in the bedroom. One of our other bedrooms is storing all the furnishings so we have lost the use of 2 bedrooms in our home due to this terrible product.

The fumes are kicked up by the overhead fan as well as the exhaust fan in the bathroom. We have sealed all the ductwork to the bedroom so the fumes do not spread to other areas of our home. I vacuumed in the room the other day and now my vacuum cleaner even smells like the nauseating room. The only thing that helps is blowing the air out of the house with a fan, it is very hard to live like this as we have to keep reentering a contaminated room. Winter is coming and it will be hard to leave the windows open when it is snowing outside. We were never given the MSDS by the subcontractor and now that we have had problems, we are doing all this research and finding out how serious the health implications are. We are FOIA exemption (b)(6) (privacy), FOIA exemption (b)(6) (privacy), FOIA exemption (b)(6) (privacy), from being in the room. The manufacturer has tested a sample of the foam and says that it meets their standards,(even though they didn't even test for fumes or off-gassing and when they cut into the foam I told them that was the smell that was permeating into my bedroom)It certainly doesn't meet our standards as it smells terrible and no one can live in the room. The room is totally uninhabitable. After doing all this research, it seems to me that everyone is interested in protecting the workers and they were wearing the protective equipment and were wearing respirators as we were just standing by totally uninformed about the dangers. Who is protecting the homeowner? We had even checked with the Better Business Bureau and thought we had went with a very reputable firm as they had never had any consumer complaints in the past. We were totally unaware of the dangers of this product until we started experiencing the constant odors emitting from the fumes. It is imperative that the homeowner is protected and made aware of the dangers of these products.

We are now faced with removing this toxic product from our home but don't know how to do it safely and who is supposed to do it and bear the costs of removal when we paid a lot of money to have it installed. The EPA website even says it is not aware of accepted remediation practices so what is the unsuspecting homeowner supposed to do to secure a safe environment for their family?

Any advice or direction you could give me would be greatly appreciated as we just want our home to be as it was before this product turned our lives upside down 5 months ago. We are concerned about what this is doing to our health. We would never even be able to sell our home the way it is now.

Thank you,

FOIA exemption (b)(6) (privacy),

Ohio

18.

From: FOIA exemption (b)(6) (privacy),
To: Carol Hetfield/DC/USEPA/US@EPA,
Date: 10/25/2011 08:14 PM
Subject: Fwd: Matrix Report & Invoice

Please let me know your thoughts on this if you have a free moment. Any help with this with this is greatly appreciated.

Thanks, FOIA exemption (b)(6) (privacy),

----- Forwarded message -----

From: FOIA exemption (b)(6) (privacy),

Date: Tue, Oct 25, 2011 at 8:12 PM

Subject: Fwd: Matrix Report & Invoice

To: owens.steve@epamail.epa.gov

Please let me know your thoughts on this if you have a free moment. Any help with this is greatly appreciated.

Thanks, FOIA exemption (b)(6) (privacy),

----- Forwarded message -----

From: FOIA exemption (b)(6) (privacy),

Date: Tue, Oct 25, 2011 at 8:06 PM

Subject: Fwd: Matrix Report & Invoice

To: kernst@cdc.gov

Please let me know your thoughts on this if you have a free moment. Any help with our unfortunate situation is greatly appreciated. Thanks, FOIA exemption (b)(6) (privacy),

----- Forwarded message -----

From: FOIA exemption (b)(6) (privacy),

Date: Tue, Oct 25, 2011 at 7:57 PM

Subject: Fwd: Matrix Report & Invoice

To: Lee_Salomone@americanchemistry.com

Hi Ms.Salomone,

If you have a free moment please let me know your thoughts on this. Thanks for getting back to us earlier this year.

FOIA exemption (b)(6) (privacy),

----- Forwarded message -----

From: FOIA exemption (b)(6) (privacy),

Date: Tue, Oct 25, 2011 at 7:55 PM

Subject: Fwd: Matrix Report & Invoice #5714

To: Swietlik.William@epamail.epa.gov

Hi Mr. Swietlik,

Attached are the results my wife, myself and our infant son have been breathing for quite a while now. Please let me know your thoughts if you have a free moment.

FOIA exemption (b)(6) (privacy),

----- Forwarded message -----

From: <matrixlabs@sbcglobal.net>

Date: Mon, Oct 24, 2011 at 2:20 PM

Subject: Matrix Report & Invoice #5714

To: FOIA exemption (b)(6) (privacy),

FOIA exemption (b)(6) (privacy),

I am going paperless. If you would like a hard copy of your reports & invoices, please let me know; otherwise, I will assume that the electronic copy is OK.

Also, do you want me to charge the invoice to the same VISA card as last time.

Thank you,

Company Representative

ATTACHMENTS

From: FOIA exemption (b)(6) (privacy)

Date: Tue, Jan 10, 2012 at 4:15 PM

Subject: Fwd:

To: FOIA exemption (b)(6) (privacy)

Dear FOIA exemption (b)(6) (privacy),

Attached you will find pictures of my home. COMPANY has completed the remediation, however both the remediation and clean up are not acceptable. My wife and I had to clean up after them. FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy). Also an odor is still present, even noticeable by the trades who did the work. The workers have stated adverse effects like headaches, burning etc. I truly now know that FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy). When you get a moment can you please call FOIA exemption (b)(6) (privacy) at FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy). One last thing did my lab work ever come back? Thanks so much, FOIA exemption (b)(6) (privacy)

----- Forwarded message -----

From: <FOIA exemption (b)(6) (privacy)>
Date: Tue, Jan 10, 2012 at 10:48 AM
Subject:
To: FOIA exemption (b)(6) (privacy)

From: "Langley, Rick" <rick.langley@dhhs.nc.gov>
To: "Wilder, Lynn (ATSDR/DCHI/OD)" <lxw2@cdc.gov>,
Cc: Carol Hetfield/DC/USEPA/US@EPA
Date: 05/16/2012 10:15 AM
Subject: RE: SPF --call from FL homeowner

FOIA exemption (b)(6) (privacy)
FOIA exemption (b)(6) (privacy)
[Florida](#)

19

From: FOIA exemption (b)(6) (privacy)
To: Mary Cushmac/DC/USEPA/US@EPA, Carol Hetfield/DC/USEPA/US@EPA, Doug Anderson/DC/USEPA/US@EPA, dam2@cdc.gov, carter.janet@dol.gov, tthomas@cpsc.gov,
Cc: FOIA exemption (b)(6) (privacy), FOIA exemption (b)(6) (privacy)
Date: 03/09/2011 12:22 AM
Subject: Nightmare with COMPANY Spray Foam

Good Evening,
Today, I spoke with FOIA exemption (b)(6) (privacy) about a problem we have with a new home we are building and i wanted to bring this to your attention as well. We used COMPANY SPF on entire home - Roof Decking and wall cavities. The house was not ventilated during install. The temp in FOIA exemption (b)(6) (privacy) was between 23-57degrees for the 3 weeks it took to install. We are now faced with a chemical smell FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy). On warm, humid days we get pockets of fish smell coupled with a stronger chemical smell. We are fighting to hold off drywall in hopes the smells will disappear. CONTRACT came out, took some photos, told us it didn't smell and left. The day of their visit, the temp was mid 60's and dry so the house was not at its smelliest by any means.

I have spoken to Mason Knowles <http://masonknowles.com/> a spray foam expert and he suggests removing the entire spray foam if there is a smell. He said if it smells longer than a few days, the ratio may be off or temp wrong. We had COMPANY do some

My husband who can run a sub 3hr Boston Marathon FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy)? Absolutely not with this stuff in our house. Will this house ever stop smelling like a chemical tomb or a fish market? No one can answer that. More importantly what are the fumes? The foam was to be cured in 3 hrs and no smell after 24 hrs. We are close to 30 days post spray and only when every single window is wide open and the air temp is below 75 are the smells bearable. Will CONTRACT help us as this is not the end product we signed up for. Will the Spray Foam market ever get exposed for using this in our homes? Is this the lead paint or asbestos of our generation? How can something with so many variables be allowed and promoted to be in our schools and homes? Somebody needs to listen, this stuff is toxic even the dust is toxic, in fact it is as toxic as vapor/spray and let me tell you there is a ton of dust after install and shaving. Do you think we should be drywalling all this in to our sealed homes?

What are the studies at Yale producing? Will the general public ever be made aware of the dangers in this so called 'green' product?

I am looking for some other resources and answers to help navigate through this so at very least my next decision will be better than my decision to use SPF.

FOIA exemption (b)(6) (privacy)

From: FOIA exemption (b)(6) (privacy)
To: FOIA exemption (b)(6) (privacy)
Cc: FOIA exemption (b)(6) (privacy), Mary Cushmac/DC/USEPA/US@EPA, FOIA exemption (b)(6) (privacy)
Date: 03/16/2011 04:30 PM
Subject: Re: lab testing

Thank you FOIA exemption (b)(6) (privacy).
Bob let me know if this will work for you.
FOIA exemption (b)(6) (privacy).
On Mar 16, 2011, at 3:21 PM, FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) wrote:

> Hi FOIA exemption (b)(6) (privacy) - we have met in the past. Would you be willing to collect a few air samples on our sorbent tubes for us and cut a piece of the insulation for us to test? We'll enter this into our research database. We can send the tubes and instructions along with a bag for the insulation sample. Also, could we have a few pictures of the house and foam installation.

>
> Best,
> FOIA exemption (b)(6) (privacy)
>

> -----Original Message-----

> From: FOIA exemption (b)(6) (privacy)
> Sent: Wednesday, March 16, 2011 4:04 PM
> To: FOIA exemption (b)(6) (privacy)
> Cc: FOIA exemption (b)(6) (privacy); cushmac.mary@epa.gov
> Subject: lab testing
>

> FOIA exemption (b)(6) (privacy) and FOIA exemption (b)(6) (privacy),
> I have spoken to Mary Cushmac at the EPA, she suggested FOIA exemption (b)(6) (privacy) and FOIA exemption (b)(6) (privacy) be in contact in regards to our house and air testing.
> FOIA exemption (b)(6) (privacy) has had experience with SPF testing for air quality and from my understanding follows a protocol for testing for Side B VOC's.
> You may have tested it already, but if not could you contact FOIA exemption (b)(6) (privacy).
>

> House today: indoor temp was 76, indoor humidity was 68%, outdoor temp 68, humidity 68%, cloudy at 1:30. All windows open for last 12hrs, wind 10mph.
>

> I was happy that the overall chemical, fish smell was gone, but FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy).
>

> So now I worry that even without a smell, something is in the air.
>

> SideBar: If anyone knows of anyone looking to study SPF, our house is available so please pass along to any contacts interested.
>

> Thanks,
>

FOIA exemption (b)(6) (privacy)

FOIA exemption (b)(6) (privacy)
FOIA exemption (b)(6) (privacy)
>

> > This electronic document is legally privileged and confidential information intended for the addressee named above. If you believe you have received this communication in error, we apologize. We ask, however, that you please notify the sender immediately by return email and destroy this document without disclosing it. Any dissemination or use of this information by unauthorized persons is strictly prohibited.

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FOIA exemption (b)(6) (privacy)
FOIA exemption (b)(6) (privacy)

From: FOIA exemption (b)(6) (privacy)
To: FOIA exemption (b)(6) (privacy)
Date: 03/16/2011 02:25 AM
Subject: more horror stories regarding SPF

<http://www.greenbuildingadvisor.com/community/forum/green-products-and-materials/17739/odor-problem-attic-after-spray-foam-applied?page=3>

....a response from the above thread....I think the bottom line here is that there is a very large disconnect between the manufacturer and the installers. The installers are not being properly trained or educated about the products they are installing. COMPANY offers training to these installers but it is very difficult for them to monitor their installations unless a problem arises. The manufacturer is also not fully disclosing the composition of their products since some of it is a proprietary solution. So we don't really know what is in this chemical. Only after baking off the product in a laboratory do we start to learn about some of these chemicals that off gas for a long time. I absolutely believe the spray foam should never be used in a retrofit situation and especially never installed during extreme weather conditions. The product was not designed for this. It was designed for new construction as some of the reps will tell you off the record. There are too many variables when installing in a retrofit situation. Without proper ventilation during and after installation this will inevitably lead to odor problems, When the attic is sealed this will only create a much tighter home which now traps many of the new odors, and pre-existing odors that you never knew were present since they had been venting previously. Often times and HRV or ERV depending on your geographical location is essential to help bring in the fresh air and exhaust the stale air.

The spray foam has certainly caused many serious problems for home owners, and the posts on this board only represent some of the bad experiences. I am sure it is much more common and there needs to be a lot more research and investigation into this industry and the affects of the chemicals in them. It would be great if this website were to provide further insight into these problems.

My only suggestion to those who have a COMPANY product installed is to try and work with COMPANY and the installer closely until the issue can be resolved. It is extremely difficult to remove spray foam since it adheres to wood or other building materials so tightly. There will always be remnants leftover if it is scraped out. Also, insist that there be extensive air quality testing so you understand exactly what you are breathing. That is essential to fixing the problem and identifying where these chemicals and odors are originating from.

..

FOIA exemption (b)(6) (privacy)

FOIA exemption (b)(6) (privacy)

From: FOIA exemption (b)(6) (privacy)
To: FOIA exemption (b)(6) (privacy), FOIA exemption (b)(6) (privacy), Mary Cushmac/DC/USEPA/US@EPA
Cc: FOIA exemption (b)(6) (privacy)
Date: 03/21/2011 10:33 AM
Subject: options for foam removal

Good Morning,

As you are aware, our spray foam has continued to off gas 40 days plus days post installation. My husband and I are both experiencing FOIA exemption (b)(6) (privacy)FOIA exemption (b)(6) (privacy)FOIA exemption (b)(6) (privacy).

I am trying to piece together options for moving forward.

I have researched extensively on SPF and am still unsure of the better choice for remediation.

If you would, please offer any advice or experience on removal of foam for our own information.

Removal:

How was it done? Did it eliminate the smell? Did the symptoms disappear? Did the dust create any issues during removal and after? Any city ordinances regarding removal and dust? Any recommendations on who can perform this and cost associated? Since we have symptoms of sensitivity, will removal be enough seeing as the SPF is on recessed cans, trusses, HVAC duct due to over spray?

If removal is not considered a good option, we would be looking at demo of current home build (approx. 65% complete).

I cannot express my gratitude to you all for your time and expertise thus far. Please forward this to anyone else that could be of help.

Below is account of our issue with SPF

Thank You Much

FOIA exemption (b)(6) (privacy)

Feb 2011,

COMPANY of Austin TX installed COMPANY Open Cell SPF in entire wall cavities and roof decking (metal, Kynar roof) in our new home under construction. COMPANY Ignition Barrier(IB4) was sprayed on SPF of roof deck , COMPANY Thermal Barrier(IB) was sprayed in small attic space on SPF of roof deck as well. The temp during the spray period ranged from 23-57 degrees and the rig was parked outside our home for entire 3 weeks during cold snap. This temp range is certainly colder than the temps COMPANY requires for storage and spray of SPF as well as the substrate to be free of frost or moisture.

The house was not ventilated during spray of immediately after.

We had NO warnings about the dangers of the spray or dust. We were not told to stay out of house during or for any time after spray or while the foam was shaved. My husband attended a meeting held by our General Contractor is the same room of a COMPANY installer while he continued to spray SPF next to the meeting group.

We are at 40 plus days post install and still cannot go into home without FOIA exemption (b)(6) (privacy)FOIA exemption (b)(6) (privacy)FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy)FOIA exemption (b)(6) (privacy)FOIA exemption (b)(6) (privacy).

The house has been completely open for majority of 40 days minus a day or two for lab sample collection or rain. Heat and humidity increase chemical smell and symptoms. The fish smell can still be noticed in 'pocket' areas, but chemical smell is dominant.

March 1:

COMPANY Tech Rep Company Representative and sales rep Company Representative came to site, took photos and said they had never heard of an odor problem before. They said our home was fine and left.

March 5:

Company Representative from COMPANY surface samples and air samples for Isocyanates. - Test results returned, I have not yet received final report, but was told nothing out of the ordinary for Isocyanates.

March 15

Company Representative returning to chamber sample and send samples to COMPANY in Atlanta for Company Representative to process.

House continues to heat in the increasing heat of Texas and owners still unable to enter with our ill effects. Construction has been cancelled for now.

..

FOIA exemption (b)(6) (privacy)

FOIA exemption (b)(6) (privacy)

>> From: FOIA exemption (b)(6) (privacy)
>> Sent: Tuesday, March 08, 2011 11:22 PM
>> To: cushmac.mary@epa.gov; hetfield.carol@epa.gov; anderson.doug@epa.gov;
>> dam2@cdc.gov; carter.janet@dol.gov; tthomas@cpsc.gov
>> Cc: FOIA exemption (b)(6) (privacy)FOIA exemption (b)(6) (privacy)FOIA exemption (b)(6) (privacy)
>> Subject: Nightmare with COMPANY Spray Foam
>>

Today, I spoke with Company Representative of COMPANY about a problem we have with a new home we are building and i wanted to bring this to your attention as well. We used COMPANY SPF on entire home - Roof Decking and wall cavities. The house was not ventilated during install. The temp in FOIA exemption (b)(6) (privacy) was between 23-57degrees for the 3 weeks it took to install. We are know faced with a chemical smell that also burns our chest and throats. On arm, humid days we get pockets of fish smell coupled with a stronger chemical smell. We are fighting to hold off drywall in hopes the smells will disappear. COMPANY came out, took some photos, told us it didn't smell and left. The day of their visit, the temp was mid 60's and dry so the house was no at its smelliest by any means.

FOIA exemption (b)(6) (privacy)FOIA exemption (b)(6) (privacy)FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6)
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 exemption (b)(6) (privacy)? Absolutely not with this stuff in our house. Will this house
 ever stopsmelling like a chemical tomb or a fish market? No one can answer that.
 More importantly what are the fumes? The foam was to be cured in 3 hrs
 and no smell after 24 hrs. We are close to 30 days post spray and only
 when every single window is wide open and the air temp is below 75 are the
 smells bearable. Will COMPANY help us as this is not the end product we
 signed up for. Will the Spray Foam market ever get exposed for using this
 in our homes? Is this the lead paint or asbestos of our generation? How
 can something with so many variables be allowed and promoted to be in our
 schools and homes?

As far as I know I have two options at this point, remove all the foam and do so in a manner that the dust will be collected in a negative air pressure or demo our house and walk away from the land and foundation because we will be broke. Broke, but FOIA exemption (b)(6) (privacy)FOIA exemption (b)(6) (privacy)FOIA exemption (b)(6) (privacy FOIA exemption (b)(6) (privacy)FOIA exemption (b)(6) (privacy)FOIA exemption (b)(6) (privacy at from living in an isocyanate cave and other unknown chemicals (60-70% is trade secret, therefore unregulated, I am appalled).

I am FOIA exemption (b)(6) (privacy)FOIA exemption (b)(6) (privacy)FOIA exemption (b)(6) (privacy FOIA exemption (b)(6) (privacy)FOIA exemption (b)(6) (privacy)FOIA exemption (b)(6) (privacy. I am looking for some other resources and answers to help navigate through this so at very least my next decision will be better than my decision to use SPF.

>> FOIA exemption (b)(6) (privacy)

>> . .
>> FOIA exemption (b)(6) (privacy)
>> FOIA exemption (b)(6) (privacy)

20)

From: FOIA exemption (b)(6) (privacy)
To: Mary Cushmac/DC/USEPA/US@EPA
Date: 06/15/2010 07:58 AM

Subject: RE: RE: Re: Spray Foam Insulation

Hi Mary,

Thank you for your time in exploring my issue pertaining to the foam insulation. As discussed, below is an outline of the particular circumstances. I'm grateful that Marian from the Connecticut DPH connected us directly as your information and knowledge has been most helpful. On April 1st, 2010 we had foam insulation installed in our garage that has sheetrock finished walls. The foam was installed in 4 walls and the ceiling. There was existing bat insulation in one wall and the ceiling of the garage and there is living space above the garage. Additionally we also had foam sprayed in one interior wall between two bedrooms for soundproofing reasons. The installers applied the material from the inside finished walls by drilling 2.5 inch holes in each stud bay and plugged that hole with a wood dowel. They completed the job in two days and there was about 6 days between the 1st day of installation and the 2nd day.

Because I was home during installation, I saw during the first day, they didn't have side A & B mixed properly as they struggled with the first part of the installation. That first part of the install soaked the sheetrock in one area of the garage and they had to refill it the second day of installation. They openly admitted the product went in very wet the first day and they used an unordinary amount of product. Unfortunately they had the same issue on the one interior common wall between the two bedrooms. They ran out of product on the first day when they were 5 hrs in about twenty percent complete as the backup product at the Fedex office was fork lift damaged and Fedex called in a Hazmat team to eradicate it.

After the job was completed, rather immediately we began experiencing FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) when getting in or out of our cars while they were in the garage. Additionally within about 15 seconds of being in the garage we would experience a FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy). We've noticed these results happen more often after the sun has been beating on the garage door side of the house in the afternoons on hot days over 80 degrees. There is no odor to the results were experiencing so we've been opening the garage 5 minutes prior to using the cars to let the garage air out. We've installed a large fan in one of the garage windows to help air out the gassing.

My concern here is for FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) with both FOIA exemption (b)(6) (privacy) and FOIA exemption (b)(6) (privacy) in the home. Although we have not yet experienced issues in the living area above the garage and because it's been odorless, we have a very high level of concern for our infant. I'm

making arrangements to have both the air and product tested in the coming week.

Enclosed is the Materials Data sheet on COMPANY that I've been provided by the installer when I requested it about a week ago. I've called the foam distributor COMPANY, Inc last week and their spokesperson Dave, has assured me this is unusual. He suspected the ceiling that had bat insulation and now additional foam is airlocked and as the product cures it may continue to gas for a bit longer. He also conveyed the product normally does not gas after a few days after install and seemed perplexed that it's still gassing after 8 weeks.

Regards,
FOIA exemption (b)(6) (privacy)
FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy)
Cell - FOIA exemption (b)(6) (privacy)

Attachment

File #<<File_ID - Used to group and organize related email>>

21)

Polyurethane Foam (FOIA exemption (b)(6) (privacy))

From: Barry Sams/R2/USEPA/US
To: George Zachos/R2/USEPA/US, Carol Hetfield/DC/USEPA/US@EPA,
Cc: Joseph Clore/R2/USEPA/US@EPA
Date: 04/04/2012 10:49 AM
Subject: Polyurethane Foam (FOIA exemption (b)(6) (privacy))- DRAFT RESPONSE

George & Carol - Attached *draft* is pursuant my recent telephone conversation with FOIA exemption (b)(6) (privacy). Carol, *thank you* for helping to focus me on a response and for providing so many great references. Note per our discussion I am offering you as a contact on SPF. George I drafted my comments much sharper than some communications, in light that FOIA exemption (b)(6) (privacy) has obviously done a lot of research on the matter. George, Todd Crawford (trc05@health.state.ny.us) of the NY DOH is referenced in this communication & should be included on the final email distribution. In researching for this draft, Joseph Clore advised me FOIA exemption (b)(6) (privacy) filed FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) a HQ FOIA exemption (b)(6) (privacy)), include Joe on your email as well so he can respond to the HQ Tip/Complaint. FOIA exemption (b)(6) (privacy) email address is FOIA exemption (b)(6) (privacy)

FOIA exemption (b)(6) (privacy),

Thank you for contacting Region II of the U.S. Environmental Protection Agency with your concerns about spray polyurethane foam ("SPF") installed Spring 2011 in your New York residence. It is my understanding that on Friday March 30 one of my associates Barry Sams, spoke with you at length about the matter. At issue is your concern that the installed SPF insulation continues to off gas and is adversely impacting your health. We understand that you have vacated the premises and the Agency strongly encourages you to FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) and to address any FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) you feel maybe SPF related. While SPF is not a matter Mr. Sams has expertise in, following your telephone conversation he tried to identify information which he

thought you would find useful. Mr. Sams noted you seemed to be very knowledgeable regarding SPF issues so we apologize if you find some of the following information redundant.

A good starting resource is EPA's SPF Home website.

http://www.epa.gov/dfe/pubs/projects/spf/spray_polyurethane_foam.html There are numerous links to explore, one which you might not have previously focused on is that leading to the "EPA MDI Action Plan"

<http://www.epa.gov/oppt/existingchemicals/pubs/actionplans/mdi.html> During your conversation with Mr. Sams he inquired about the CAS numbers on the Material Data Safety Sheets. Note the numbers you provided him (26447-40-5 and 9016-87-9) are specifically referenced in this Action Plan. It is EPA's intent to issue a data call of "Allegations of Significant Adverse Reactions" and initiate a TSCA Section 8 (d) rulemaking.

The matters you touched upon during your March 30th discussion are of interest to multiple entities. You may wish to file a U.S. Consumer Products Incident Report at the following web site

<https://www.saferproducts.gov/CPSRMSPublic/Incidents/ReportIncident.aspx> A quick search of their dynamic database identified a few incidents having some similarity to what you conveyed to Mr. Sams. We understand you have already established a dialogue with Mr. Crawford at the NY State Department of Health.

You had mentioned several manufactures of SPF, you maybe interested in a study performed by Bayer, which is one of the companies you had referenced. In the attached web link they looked at the potential migration of chemicals in a residential study. <http://www.sprayfoam.org/uploads/pages/4507/SPFA-CPI%20Emissions.pdf> In another paper they looked the Methodology for development of Building Re-Occupancy Guidelines Following Installation of Spray Polyurethane Foam http://www.baycareonline.com/ums/import-export/nafta_479.pdf

The potential for off-gassing of volatile chemicals from spray polyurethane foam is not fully understood and is an area where more research is in progress. One method for measuring volatile chemicals is the standard method under California Section 01350. In addition, ASTM International, an organization that sets standards for products and materials, has initiated development of a standard (D22.05) to determine volatile organic compounds, diisocyanates, oligomeric isocyanates, and amine catalysts emitted from SPF insulation products designed for on-site application in buildings. <http://www.astm.org/database.cart/workitems/wk30960.htm>

During your discussion, you expressed interest in advancing the knowledge base about issues associated with SPF and thus you might find the recently posted CDC National Institute for Occupational Safety and Health "Help Wanted" blog of particular interest. <http://blogs.cdc.gov/niosh-science-blog/2012/03/sprayfoam/> Contact information and how to participate can be found on their web site.

With your interest in the emerging science, you might also find the following international conference schedule for November in Bethesda, Maryland of interest. <http://www.isocyanates2012.org/>

If after reviewing the materials referenced above, and you would like additional SPF information, may want to contact Carol Hetfield a Senior Advisor with EPA's Office of Pollution Prevention and Toxics, Economics, Exposure and Technology Division. Ms. Hetfield is located in Washington, DC and can be reached by email at hetfield.carol@epa.gov or by phone at (202) 564-8792. Although she is with the U.S. EPA, she maybe able to help you identify individuals with other organizations or sources for additional information.

Thank you again for reaching out to us, if I can be of further assistance please feel free to contact me at

Signed GZ

Barry L. Sams
Assisting the EPA under a Cooperative Agreement with NOWCC
Region II EPA - Office of Regional Public Liaison
(732)321-4371

22)

From: FOIA exemption (b)(6) (privacy)
To: Carol Hetfield/DC/USEPA/US@EPA,
Date: 02/08/2012 08:53 PM
Subject: isocyanate exposure concerns
Hi Carol,

I found your name online. A FOIA exemption (b)(6) (privacy), Canada resident, I have found myself at the centre of a polyurethane foam crisis. At the beginning of December, we had COMPANY sprayed into a crawl space in our home. The installers, no more than 20 years old but apparently licensed by COMPANY, sprayed about 7-8 inches of foam where there should have been three inches and did not wait the requisite amount of time for the foam to cure. They also blew product onto all sorts of areas in the crawl space that they shouldn't have such as framing timber and the ceiling (which was covered with fibreglass insulation). For six days, the foam off-gassed in our house without any ventilation present. When we realized the odour was much too intense, we contacted the contractor and had him chip out the foam (which was deemed to be improperly applied by a COMPANY chemist). He then reinstalled the foam, this time correctly.

For the past 55 days, we have been out of our house, living with relatives, due to the strong chemical smell that has permeated our entire home. The contractor has washed his hands of the situation and COMPANY has essentially done so as well after conducting air quality tests on the MDI (COMPANY Isocyanate 0.00006 ppm), Ethylene Glycol (COMPANY Resin 0.067 ppm) and Pentafluoropropane (COMPANY 4.2 ppm) only. We do know that when we spend anywhere from 15 mins to an hour in the house our FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy). When we spent two days over X-mas in the house we experienced FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy).

My question is this: what chemicals are created when the foam application goes wrong, as it did in this case? What do isocyanates do when overheated? What do these chemicals do when they come in contact with wood, soil and fibreglass-areas we feel are more fragrant than others? And what can we do to remediate our home and get rid of the fumes that are forcing us out?

Is it possible the chemicals have migrated into the walls and onto surfaces where they are emitting odours? I have noticed that all our clothing smells of chemical.

Thank you so much in advance --we are truly at wits end and this seems to be a no-man's land which no one talks about.

Best Regards,
FOIA exemption (b)(6) (privacy)

FOIA exemption (b)(6) (privacy)
FOIA exemption (b)(6) (privacy)
FOIA exemption (b)(6) (privacy)

From: FOIA exemption (b)(6) (privacy)
To: Carol Hetfield/DC/USEPA/US@EPA,
Date: 02/13/2012 04:34 PM
Subject: Re: isocyanate exposure concerns

Hi Carol,

Thanks very much for your chat today. I will see if any regulatory bodies exist here in FOIA exemption (b)(6) (privacy) and continue to call COMPANY. I appreciate your information about isocyanates migrating to other surfaces in the house and about the chemical reactions that could have taken place between the soil and the foam/the foam and the fibreglass, etc. I am very worried about what effects these chemicals may have on FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy). I am also surprised that the contractors did not seal off the area/provide ventilation, either during the installation or when they removed the foam, which you describe as common practice.

Could you possibly send me the study you mentioned on the phone about isocyanate migration?

Thanks so much,
FOIA exemption (b)(6) (privacy)
FOIA exemption (b)(6) (privacy)

23)

To: Anjali Lamba/DC/USEPA/US@EPA
From: FOIA exemption (b)(6) (privacy)
Date: 03/05/2012 09:12AM
Subject: spray foam insulation problem

Dear Mr. Lamba:

I read an outline of your presentation on EPA considerations of Spray Polyurethane Foam and thought the EPA might have some interest in my personal situation.

A local insulation contractor installed open-cell spray foam insulation in our attic last August. No ventilation was performed during the installation. There have been problems with persisting odors in the house since installation that have not been relieved by attempts at vigorous ventilation in the attic.

With the onset of cooler weather in the fall, the attic was sealed back up and my wife and I experienced a number of symptoms including FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy), FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy). We were forced to vacate the house 6 weeks ago due to worsening symptoms and odor. The contractor and manufacturer say that they have no experience with this type of problem and have not offered any remedy.

I myself FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy), and my FOIA exemption (b)(6) (privacy) and I have consulted FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy), a FOIA exemption (b)(6) (privacy), and FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) who have verified FOIA exemption (b)(6) (privacy) problems including FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) requiring FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy).

I suspect the government may be interested in cases such as ours and we are willing to provide our home as an investigative site if there are resources for that.

Sincerely,

FOIA exemption (b)(6) (privacy)

FOIA exemption (b)(6) (privacy) , VA

FOIA exemption (b)(6) (privacy) (C)

24)

To: Anjali Lamba/DC/USEPA/US@EPA

From: FOIA exemption (b)(6) (privacy)

Date: 05/17/2012 06:09PM

Subject: COMPANY SPF Closed Cell Insulation Problem

My name is FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) and we had COMPANY SPF closed cell insulation installed in 2 areas of our home approximately 2 months ago - inside on the upstairs ceiling and outside on the underside of the 10 x 14 frame structure. The smell was very strong for the week after they put it in especially upstairs where it was on the inside on the ceiling. The smell did subside a little but did not go away and was only tolerable when the windows were wide open. When I complained the COMPANY rep did an investigation on the upstairs SPF. The report came back that the foam was not installed correctly so the foam was removed. They then sprayed COMPANY on the exposed wood framing on the ceiling and installed fiberglass insulation. However the smell upstairs is lingering and while tolerable on warm dry days it smells very strong on damp rainy days. Since it has been over a month since they took it out I am wondering if the smell will ever go away.

This brings me to the downstairs (where the SPF was installed on the underside of the 10 X 14 sunroom) - the report showed proper installation on the 1 area they tested but when I complained that there was still a strong chemical smell that went into the whole 1st floor area unless all the windows were open they also took that SPF out - this was on Monday 5/14. However there is still a chemical smell although not as strong when the windows are closed. Do you have any idea what could be causing this or how to get rid of the smell in both areas? We do not want to proceed with sheetrock and floor installation with this lingering odor problem. I do not think OMPANY is the answer based on how the upstairs smells.

Thanks for your help,

FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy)

25)

From: FOIA exemption (b)(6) (privacy)

Sent: Tuesday, March 05, 2013 7:57 PM

To: Hetfield, Carol

Cc: FOIA exemption (b)(6) (privacy)

Subject: Re: Polyurethane Foam

Thanks so much. FOIA exemption (b)(6) (privacy) has been in touch and seen FOIA exemption (b)(6) (privacy) as well. I will pass this on to FOIA exemption (b)(6) (privacy) and family. Jon

From: Hetfield, Carol

Sent: Tuesday, March 05, 2013 7:14 PM

To: FOIA exemption (b)(6) (privacy)

Subject: Polyurethane Foam

I would urge the family to consider filing an incidents report with the Consumer Product Safety Commission at www.saferproducts.gov. Similar homeowner concerns have been reported and some can be found at this site. They may also want to contact CPSC staff directly. We have been working with Melanie Biggs, staff toxicologist, who can be reached at 301-987-2593.

Another contact of interest is Dr. Carrie Redlich, Director of the Yale School of Occupational & Environmental Medicine Program, a leading expert and researcher on isocyanates and other chemicals in foam. Dr. Redlich can be reached at (203) 785-6434.

It is not clear whether the applicator is really working with the homeowner to address and/or remediate the problem, such as removal and/or ventilation. The homeowner may want to consider contacting the materials supplier directly. Guidance on correcting problems and remediation is an area that needs much more attention. Other technical experts in this field include Mason Knowles. Also, Rick Duncan is the technical director of the Spray Polyurethane Foam Alliance, the trade association for professional SPF applicators. If odors persistent it may be an indicator that the mixing of materials were off-ratio, and then the product may not perform as intended, or that chemicals migrated from the site of application to other places in the home, contaminating soft surfaces. Other possibilities include the material not being applied under manufacturers guidance for temperature and humidity, which could have impacted the curing of the foam.

Under ASTM D.22.05 subcommittee on Indoor Air, there continues to be the development of methods to measure emissions from spray foam, including off-gassing of isocyanates, amines, flame retardants, all substances used in the production of spray foam, as well as substances that may be formed as byproducts, such as aldehydes. EPA and CPSC staff are participating in this methods work.

To help educate workers and consumers, we have developed an information site on SPF at http://www.epa.gov/dfe/pubs/projects/spf/spray_polyurethane_foam.html

Please let me know if I can provide additional assistance.

Carol Hetfield

EPA/OPPT/EETD

202-564-8792

From: FOIA exemption (b)(6) (privacy)

Sent: Wednesday, February 27, 2013 1:02 PM

To: Hetfield, Carol; Pfahles-Hutchens, Andrea

Cc: lxw2@cdc.gov; FOIA exemption (b)(6) (privacy)

Subject: Fwd: COMPANY Polyurethane Foam

Dear Drs Hetfield and Pfahles-Hutchens,

As per Lora's note below, have you had a chance to look at the data that FOIA exemption (b)(6) (privacy) forwarded (attached), for explanation of the continued problems from off-gassing that FOIA exemption (b)(6) (privacy) and FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) have endured for the past 4 years. I was just there visiting, to help out during FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) (FOIA exemption (b)(6) (privacy) , seems to have resolved well), and realize how incredibly disruptive such situations can be.

Thanks for your help,

FOIA exemption (b)(6) (privacy)

Attachment

From: " FOIA exemption (b)(6) (privacy)
To: <lkw9@cdc.gov>,
Cc: " > FOIA exemption (b)(6) (privacy) , Carol Hetfield/DC/USEPA/US@EPA, Andrea Pfahles-Hutchens/DC/USEPA/US@EPA, <lxw2@cdc.gov>, Karl Markiewicz/R3/USEPA/US@EPA, "" FOIA exemption (b)(6) (privacy)
Date: 02/06/2013 05:26 PM
Subject: RE: COMPANY Polyurethane Foam

Laura,

Thank you for your time and providing this helpful information. What is very alarming is that we have been living in the home for 4 years since the product was installed and also during the remediation efforts. The EPA site and other links below suggest that disturbing (cutting, sawing, scraping) the foam, as they did, adds another degree of risk to the health of our family. We are also being told that complete removal of the foam is now required due to the offgassing results.

I look forward to hearing from your colleagues. I can be reached by email or at FOIA exemption (b)(6) (privacy)

FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy)

From: lkwx9@cdc.gov [mailto:lkwx9@cdc.gov]
Sent: Tuesday, February 5, 2013 4:45 PM
To: FOIA exemption (b)(6) (privacy)
Cc: FOIA exemption (b)(6) (privacy); Hetfield.Carol@epamail.epa.gov; Pfahles-Hutchens.Andrea@epamail.epa.gov; lxw2@cdc.gov; Markiewicz.Karl@epamail.epa.gov
Subject: RE: COMPANY Polyurethane Foam

Hi there FOIA exemption (b)(6) (privacy) and FOIA exemption (b)(6) (privacy)

Thank you for the reminder!

The toxicologist on my staff reviewed the testing report you shared. He said it would appear that the amine catalysts that were detected were probably associated with amine odor, and he wondered if the cyanogen results would be representative of the cyano compounds that are used in the polyurethane foam process but couldn't find

anything in his online research to document if that would be the case. So, some results that would seem to indicate a potential for offgassing, but we are not able to make a determination on that in my group. We forwarded your results to the EPA HQ researchers working in this area who might be able to offer a more informed opinion to you. These researchers are cc'd above and their contact info is:

Carol Hetfield
EETD/OPPT/EPA
202-564-8792

Andrea Pfahles-Hutchens
Epidemiologist
US Environmental Protection Agency
EPA/OCSP/OPPT/RAD
(202) 564-7601

Here is the link to the study my agency was working on this area with North Carolina state health colleagues, "N.C. Community Health Study: Exposure to TDI (Toluene Diisocyanate) and Respiratory Health,"

<http://epi.publichealth.nc.gov/oe/t/ti.html>

<http://epi.publichealth.nc.gov/oe/t/ti/TDICommunityHealthReport.pdf>

I can't remember if I shared this information with you already, but here are some Internet links you might be interested in:

NIOSH

<http://blogs.cdc.gov/niosh-science-blog/2012/03/sprayfoam/>

EPA:

http://www.epa.gov/dfe/pubs/projects/spf/spray_polyurethane_foam.html

You might also consider contacting Dr. Dennis Darcey of Duke University's medical hospital—he is a subject matter expert in diagnosing diisocyanate occupational asthma. Here is a link:

http://www.dukehealth.org/physicians/dennis_j_darcey

The conference I mentioned is "Isocyanates and Health: Past, Present and Future," which will take place in Bethesda, Maryland on April 3 - 4, 2013, and the conference website is

<http://secure.cirpd.org/isocyanates2012/content/home.cfm?CFID=886753&CFTOKEN=64770716>.

I hope this information is a little helpful, please let me know if you would like to discuss this further, best regards,
Lora

Lora Siegmann Werner, MPH
Regional Director
Agency for Toxic Substances and Disease Registry (ATSDR)/Centers for Disease Control and Prevention (CDC),
Region 3
Department of Health and Human Services
1650 Arch Street, 3HS00, Philadelphia, PA 19103
phone: 215-814-3141, fax: 215-814-3003
cell: 215-588-9778
email: lkw9@cdc.gov

CDC.gov is Your Online Source for Credible Health Information. Visit
www.cdc.gov.

FOIA exemption (b)(6) (privacy) --02/01/2013 07:21:33 PM---Hi Lora,

From: " FOIA exemption (b)(6) (privacy)
To: "FOIA exemption (b)(6) (privacy) , Lora Werner/R3/USEPA/US@EPA
Cc: "> FOIA exemption (b)(6) (privacy)
Date: 02/01/2013 07:21 PM
Subject: RE: COMPANY Polyurethane Foam

Hi Lora,

Just checking in to see if you have found any additional information on this subject.

Thanks in advance,

FOIA exemption (b)(6) (privacy)

From: FOIA exemption (b)(6) (privacy)
Sent: Friday, January 25, 2013 5:18 PM
To: Werner.Lora@epamail.epa.gov
Cc: FOIA exemption (b)(6) (privacy)
Subject: Re: COMPANY Polyurethane Foam

Thanks. We look forward to seeing the report. FOIA exemption (b)(6) (privacy)
On Fri, Jan 25, 2013 at 4:14 PM, <Werner.Lora@epamail.epa.gov> wrote:
Hello, FOIA exemption (b)(6) (privacy)

Thank you for forwarding the email exchange we shared, that was helpful to my subpar memory cells - with that help I do remember our communications, smile.

My agency ATSDR/CDC did produce a report investigating community exposures related to polyurethane foams since we last communicated, but unfortunately the results were inconclusive. I am working to track down the report to share with you. The lead investigator for this work told me she knows of another researcher that is still pursuing this concern who might be interested in the experiences of your family. When she shares this contact with me, I will forward it along to you. She also mentioned there is a conference on this topic coming up in Bethesda later this year that you might be interested in. I also hope to share that information with you as well.

I apologize I don't have more information for you this week, but I just wanted to at least send this message to you now to acknowledge that I am looking into this at this time. Please don't hesitate to email me again as a reminder if I haven't followed up in a bit!

Best regards, Lora

From: FOIA exemption (b)(6) (privacy)
Sent: 01/24/2013 12:28 AM CST
To: <lkw9@cdc.gov>
Cc: FOIA exemption (b)(6) (privacy)
Subject: COMPANY Polyurethane Foam

Dear MS Werner:

I don't know if you remember our exchanges from 2009 (see below), concerning COMPANY foam insulation. This has not been resolved, and the continued outgassing from this faulty installation is still a problem for the patient (my FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy)) and FOIA exemption (b)(6) (privacy) family, now including FOIA exemption (b)(6) (privacy), a FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) and a FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy).

A recent analysis of the outgassing from the foam from the home is attached.

While I have retired from FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) I hope you will still let us know if there has been any new data on this subject since then, or any further investigations by the CDC.

Thank you again,

FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy)

From: FOIA exemption (b)(6) (privacy)

Sent: Monday, May 4, 2009 4:49 PM

To: lkw9@cdc.gov

Subject: Re: COMPANY Polyurethane Foam

Thanks so much for the added information. FOIA exemption (b)(6) (privacy)

>>> <lkw9@cdc.gov> 5/4/2009 3:45 PM >>>

Hello again FOIA exemption (b)(6) (privacy)

I just wanted to let you know I did review the Material Safety Data Sheets at last for the materials you asked me about (apologies for the delay). The COMPANY material does contain MDI, so information I shared with you in prior emails on that chemical is relevant for that substance. The only thing I saw in my brief review of this information for both of these materials that was specific to the concern about exposure during pregnancy was related to the ethylene glycol component (2%) of the spraytite material. Chronic inhalation exposures to ethylene glycol have been found to be embryotoxic and teratogenic in animal studies. I do not know if it is typical to see any ethylene glycol off gassing from these insulation materials, I would certainly hope not and have not heard of such.

You are right, looking for biomarkers of MDI exposure likely would not produce results if the exposure was low level and/or no longer occurring- we experience this limitation frequently with environmental as opposed to occupational exposure situations. If they pursue environmental air testing than we would have a better idea about actual exposures, either to MDI and/or to the other chemicals named in these Material Safety Data Sheets. Until more information is available it was certainly the protective step to advise your patient to avoid the ongoing exposure as you did already. I hope the family found a resolution to their problem.

Thank you, Lora

COMPANY Material Safety Data Sheet
COMPANY Material Safety Data Sheet

Lora Siegmann Werner, MPH
Senior Regional Representative
Agency for Toxic Substances and Disease Registry (ATSDR), Region 3

Department of Health and Human Services
1650 Arch Street, 3HS00, Philadelphia, PA 19103
phone: [215-814-3141](tel:215-814-3141), fax: [215-814-3003](tel:215-814-3003)
cell: [215-588-9778](tel:215-588-9778)
email: lkw9@cdc.gov

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www.cdc.gov.

From: FOIA exemption (b)(6) (privacy)
To: Lora Werner/R3/USEPA/US@EPA
04/27/2009 01:07 cc
PM < FOIA exemption (b)(6) (privacy) >, Karl
Markiewicz/R3/USEPA/US@EPA, Eric
Johnson/R3/USEPA/US@EPA
Subject
Re: COMPANY Polyurethane Foam

Dear Ms. Werner,

I have been told that the particular produce is COMPANY Resin and COMPANY Isocyanate.

The link is as follows: COMPANY

Do you have any way of helping find someone to do testing in the Philadelphia area?

While the testing of individuals for antibodies is interesting, but would not seem very fruitful. The 2007 article below. (J Occup Environ Hyg. 2007 Feb;4(2):145-55. Lesage J, Stanley J, Karoly WJ, Lichtenberg FW. Institut de Recherche Robert-Sauvé en Santé et en Sécurité du Travail, Montreal, Quebec, Canada.

lesage.jacques@irsst.qc.ca) would suggest that if significant presence were found now, this would be far beyond limits before this.

Thanks again, FOIA exemption (b)(6) (privacy)

>>> <Werner.Lora@epamail.epa.gov> 4/27/2009 11:44 AM >>>

Hello again FOIA exemption (b)(6) (privacy)

It was good to speak with you a little earlier today.

Here is some preliminary information from the literature that I believe is relevant, including information on the ATSDR/CDC investigation in NC where some biomonitoring work was done in community members near a plant manufacturing polyurethane foam. The chemicals of concern with this material as discussed below are toluene diisocyanate (TDI) and diphenyl methane diisocyanate (MDI). However, please note that COMPANY appears to have a variety of these foam insulation materials on the market, some of which do not appear to contain diisocyanates. This link on the COMPANY website is for the Material Safety Data Sheets for their various spray polyurethane foam insulation products; it would be helpful if the family identifies exactly which product was used in their home, to give us more detailed information on the specific composition of the product involved in this situation:

company link

I am sorry to hear that it sounds like there might have been some problems in the installation of this material in their home. I am glad the family is working with the manufacturer to try to resolve the situation. As we talked about, an industrial hygienist could monitor the levels of relevant chemicals in the air of their home, particularly to establish whether any remediation action they take are successful or not. Biomonitoring/medical testing of the family members may not provide any utility in this case; I defer to my medical colleague Dr. Jerome Paulson at George Washington University's MidAtlantic Center for Children's Health

and the Environment in this regard (cc'd above).

Please let me know what other assistance I might be able to provide.

Thank you, Lora

ATSDR/CDC Investigation of Community Exposure to Toluene Diisocyanate from a Polyurethane Foam Manufacturing Plant -- North Carolina, 1997 <http://www.cdc.gov/mmwr/preview/mmwrhtml/00053340.htm>

In August 1996, residents of a community in Randolph County, North Carolina, contacted the Agency for Toxic Substances and Disease Registry (ATSDR) because of health concerns about possible exposure to chemical emissions from a polyurethane manufacturing plant. ATSDR and the North Carolina Department of Environment, Health, and Natural Resources (NCDEHNR) conducted ambient air monitoring to characterize air contamination near the plant. ATSDR and Randolph County health officials also conducted biologic monitoring to determine whether residents were being exposed to toluene diisocyanate (TDI) emitted from the plant. This report summarizes the results of these investigations, which indicate that residents were being exposed to TDI in ambient air surrounding the plant.

...

To determine whether residents were being exposed to TDI emissions from the plant, ATSDR, in cooperation with the Randolph County Health Department (RCHD), initiated a biologic exposure investigation. RCHD mailed flyers to residents to inform them of the investigation. Persons who lived within 1/4 mile of the facility were particularly encouraged to participate. Blood samples were collected from 113 residents and were sent to the University of Cincinnati Diagnostic Allergy Laboratory for analysis. The blood serum specimens were analyzed by an enzyme-linked immunosorbent assay (ELISA) for Immunoglobulin G (IgG) and Immunoglobulin E (IgE) antibodies to TDI, hexamethylene diisocyanate, and diphenylmethane diisocyanate. Samples were classified as positive if they exceeded three standard deviations above the mean value of seven negative control samples and a serum albumin blank. Of the 113 participants who were tested, 10 (9%) had antibodies to one or more of the diisocyanates, nine had IgG antibodies to TDI, and one had IgE antibodies to TDI. Four participants had antibodies that reacted with more than one diisocyanate.

...

Editorial Note: Occupational exposure to TDI and other diisocyanates can cause irritation of the eyes, upper and lower respiratory tract, and skin. In some workers, exposure to TDI results in sensitization, defined as hyperresponsiveness to TDI at concentrations substantially below those that affect most persons. Approximately 5%-10% of workers exposed to diisocyanates develop occupational asthma (1). The exposure level of TDI that causes sensitization is not well characterized, but can occur at levels below the Occupational Safety and Health Administration short-term exposure level of 20 ppb (2).

From 10% to 30% of symptomatic workers develop IgE antibodies to diisocyanates (1). In a study of workers exposed to diisocyanates in the workplace, IgE antibodies to diisocyanates were detected in 13.6% of symptomatic workers and in 8.4% of all workers (3). Symptomatic workers experienced bronchial asthma, chronic bronchitis, rhinitis, or conjunctivitis. In a representative subgroup of this same population, IgG antibodies were more prevalent, being detected in 24% of symptomatic workers and 17% of asymptomatic workers. Antibodies have not been detected in workers in the absence of diisocyanate exposure (4,5).

Several participants in this investigation had positive antibody reactions to more than one diisocyanate. Such cross-reactivity of diisocyanate antibodies has been observed (3,5). In one study, approximately 60% of positive serum cross-reacted with one or more diisocyanates (3).

In the investigation described in this report, antibodies to TDI were used as a biomarker of exposure because they can be detected even in the absence of recent exposure. As demonstrated by this investigation, air and

biologic monitoring can be useful in assessing human exposure to diisocyanates in the environment.

Crit Rev Toxicol. 2001 Nov;31(6):737-72. Carcinogenic risk of toluene diisocyanate and 4,4'-methylenediphenyl diisocyanate: epidemiological and experimental evidence. Bolognesi C, Baur X, Marczyński B, Norppa H, Sepai O, Sabbioni G. Istituto Nazionale per la Ricerca sul Cancro, Toxicological Evaluation Section, Genova, Italy.

Diisocyanates are highly reactive compounds widely used, for example, in the production of polyurethane foams, elastomers, paints, and adhesives. The high chemical reactivity of these compounds is also reflected in their toxicity: diisocyanates are one of the most important causes of occupational asthma but also other adverse effects, such as irritation and toxic reactions, have been described in exposed subjects. One of the open questions is whether occupational isocyanate exposure is a carcinogenic hazard. The few epidemiological studies available have been based on young cohorts and short follow-up and are not conclusive. Toluene diisocyanate (TDI) has been classified as carcinogenic in animals on the basis of gavage administration studies, but no conclusions are available on inhalation exposure. For 4,4'-methylene diphenyldiisocyanate (MDI) there is suggestive evidence for carcinogenicity in rats. The possible carcinogenic mechanism of TDI and MDI is not clear. Both chemicals have been positive in a number of short-term tests inducing gene mutations and chromosomal damage. The reactive form could be either the diisocyanate itself or may derive from the metabolic activation of the aromatic diamine derivatives formed by hydrolysis. TDI and MDI react with DNA in vivo and in vitro. However, the structure of the adducts has not been identified. Especially from the in vivo experiment it is not known if the adducts are a product from the reaction with the isocyanate or the corresponding amine. In conclusion, both TDI and MDI are highly reactive chemicals that bind to DNA and are probably genotoxic. The alleged animal carcinogenicity of TDI and MDI would suggest that occupational exposure to these compounds is a carcinogenic risk. The few epidemiological studies available have not, however, been able to clarify if TDI and MDI are occupational carcinogens.?

J Occup Environ Hyg. 2007 Feb;4(2):145-55. Airborne methylene diphenyl diisocyanate (MDI) concentrations associated with the application of polyurethane spray foam in residential construction. Lesage J, Stanley J, Karoly WJ, Lichtenberg FW. Institut de Recherche Robert-Sauvé en Santé et en Sécurité du Travail, Montreal, Quebec, Canada. lesage.jacques@irsst.qc.ca

The primary objectives of this study were (a) to measure potential exposures of applicators and assistants to airborne methylene diphenyl diisocyanate (MDI), (b) to measure airborne concentrations of MDI at various distances from the spray foam application, and (c) to measure airborne MDI concentrations as a function of time elapsed since application. Other study objectives were, (a) to compare the results from filter and impinger samples; (b) to determine the particle size distribution in the spray foam aerosol; (c) to determine potential exposures to dichlorofluoroethane; and (d) to measure any off-gassing of MDI after the foam had fully cured. This study was conducted during application of spray polyurethane foam inside five single-family homes under construction in the United States and Canada. Spray foam applicators and assistants may be exposed to airborne MDI concentrations above the OSHA permissible exposure limit. At these concentrations, OSHA recommends appropriate respiratory protection during spray foam application to prevent airborne MDI exposures above established limits and to protect against exposure to dichlorofluoroethane (HCFC-141b). Airborne MDI concentrations decrease rapidly after foam application ceases. The highest airborne concentrations measured after 15 min and 45 min were 0.019 mg/m³ and 0.003 mg/m³, respectively. After 45 min, airborne concentrations were below the limit of quantitation (LOQ) of 0.036-microg per sample. For samples taken 24 hours after completion of foaming, results were also below the LOQ. Approximately two-thirds of the total mass of the airborne particles in the spray foam aerosol was greater than 3.5 microns in diameter. Airborne MDI concentrations determined by filter sampling methods were 6% to

40% lower than those determined by impinger methods.

Vol. 245 No. 3, January 16, 1981 JAMA

Toxicology of urea formaldehyde and polyurethane foam insulation

J. C. Harris, B. H. Rumack and F. D. Aldrich

Two types of foam insulation are in wide use. Urea formaldehyde foam is a relatively inexpensive, easily installed, and efficient insulation. Toxicity from this insulation is related to release of free formaldehyde into the home. Mild to incapacitating symptoms have been reported in occupants of urea formaldehyde-insulated homes. Airborne formaldehyde levels frequently have exceeded standards set for occupational exposure. The long-term consequences of such exposure are unknown. Because of publicity over the toxicity of urea formaldehyde foam, many physicians and patients have confused urea formaldehyde and polyurethane foam. Unlike urea formaldehyde, polyurethane foam is fully cured before construction. Toxicity occurs only during manufacture and curing. To date, there have been no reports to our knowledge of toxicity in occupants of polyurethane-insulated homes. However, toxicity caused by pyrolysis products may occur during combustion in homes insulated with either type of insulation. This report details 48 patients in whom complete medical data were obtained out of the first 100 patients contacting the Rocky Mountain Poison Center.

Am Ind Hyg Assoc J. 1981 Sep;42(9):663-5. Risk associated with the spray application of polyurethane foam. Hosein HR, Farkas S.

The use of polyurethane foam in thermal insulation is increasing rapidly. In most cases, the raw products consist of toluene di-isocyanate or diphenyl methane di-isocyanate and a polyol curing agent. We studied the isocyanate exposure of workers applying the foam in confined spaces. Frequent excursions above safe limits were found with levels up to and exceeding 0.08 ppm for personal sampling and 0.148 for area sampling. Since improper devices were worn, this represented a significant risk to health.

Lora Siegmann Werner, MPH

Senior Regional Representative

Agency for Toxic Substances and Disease Registry (ATSDR), Region 3

Department of Health and Human Services

1650 Arch Street, 3HS00, Philadelphia, PA 19103

phone: [215-814-3141](tel:215-814-3141), fax: [215-814-3003](tel:215-814-3003)

cell: [215-588-9778](tel:215-588-9778)

email: lkw9@cdc.gov

CDC.gov is Your Online Source for Credible Health Information. Visit www.cdc.gov.

" FOIA exemption (b)(6) (privacy)

To

"Laura Warner" <lkw9@cdc.gov>

04/27/2009 12:18 cc PM

Subject COMPANY Polyurethane Foam

Dear Ms. Warner,

Thanks so much for taking the time to investigate the potential of the foam insulation, and the literature appropriate. I FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy), and will help to pressure the issues of both environmental and personal monitoring. FOIA exemption (b)(6) (privacy)

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Page: FOIA exemption (b)(6) (privacy)
Web pager: FOIA exemption (b)(6) (privacy)
E.Mail: FOIA exemption (b)(6) (privacy)

26)

From: FOIA exemption (b)(6) (privacy)
To: Emma Lavoie/DC/USEPA/US@EPA
Date: 01/30/2013 03:26 PM
Subject: Re: polyurethane spray foam insulation

Dear Emma,

Many months later I am still dealing with the polyurethane spray foam that I contacted you about. Apparently it was not installed correctly and did not cure correctly, and will continue to emit ammonia.

I have not been able to track down anyone who can give me guidelines for removal. One note on the EPA website said removal could make the problem worse, but did not expand on that.

Do you know of anyone I could e-mail or call to make sure the removal is done correctly and safely?

Thanks so much,

FOIA exemption (b)(6) (privacy)

27)

From: " FOIA exemption (b)(6) (privacy)
To: DFE@EPA
Date: 03/01/2013 08:57 PM
Subject: (059205748) General DfE Web Site Comments

a reputable company installed sprayfoam in our house on Jan 11, 2013. we had not been told of a 'safe distance' outside, only we could not go back in the house for 48 hours. not told about removing food items or medications from house. we left the property but returned for about 15 minutes to unload something in the back yard while they were still working in the house. we both experienced a FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) after no more than 15 minutes and left immediately. FOIA exemption (b)(6) (privacy) opened doors and windows (with respirator mask) next 2 days to air out house. after 2 nights in the hotel we decided to stay away another night as we didn't feel good, and i had a FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) . today, March 1, we still have not been back into the house. Tried the backyard on February 20, about but after 3 minutes FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) and we left. After Jan 11, the installation day, we FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy). Called all kinds of agencies and doctors but no help found. we have slowly recovered but are now FOIA exemption (b)(6) (privacy) to foam items, i.e. pillows, mattress, inside of cars (the gas got into our truck but we didn't know and drove it for 2 weeks until we got so sick that we had to park it, had to throw away the little bit of clothes we had with us as it wouldn't wash clean) now renting a panel van without insulation and renting a condo that is ok but sleep with window open. can't go in many buildings without adversely being affected, in some of them i have FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) . have not been back in the house at all. the installation company and manufacturer (from COUNTRY) of the foam came to the house but of course said 'nothing wrong here'. we were absolutely not sick before this, had FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) .totally outrageous, no help from anyone - can't even go back on the lot to live in the garage. where are all these government agencies that are supposed to help and protect you?

When we were really sick in desperation i called the person listed on the MSDS sheet that COMPANY sent us AFTER the installation, she said she'd call back but never did. The FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy). The industry people contact: never heard of that. The various agencies: not my field. I kept notes.

FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy)
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DOC_TITLE_OR_URL_OF_COMMENTS

EMAIL_OF_REQUESTOR

FOIA exemption (b)(6) (privacy)

NAME_OF_REQUESTOR

FOIA exemption (b)(6) (privacy)

ORG_OF_REQUESTOR

From: FOIA exemption (b)(6) (privacy)
Sent: Tuesday, March 12, 2013 2:04 PM
To: Hetfield, Carol
Subject: update to exposure to sprayfoam on January 11, 2013

Thank you for your previous help.

this is where we are now.

Jan 11 2013. foam is installed, we are exposed in back yard

Feb 20 2013. went to yard - burning on tongue after 3 minutes

Mar 05 2013. went to yard, 30 minutes

Mar 09 2013. PM. i went into house with a respiratory mask and a suit on. had to leave after 6 mins. my FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) and s FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) and FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy. my FOIA exemption (b)(6) (privacy) went in 4 steps without mask and out again and experienced FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) . this is 2 months after installation.

unable to use our NEW truck. renting a uninsulated van and this condo which is in a old building presumably without foam and has tile floors. we have problems in most buildings, ranging from FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) . we travel for FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) but can't stay in most hotels. have to put plastic overmattresses, can't sit on sofas, or be near foam pillows. FOIA exemption (b)(6) (privacy). march 7 i went for FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) but then of course i went into the house yesterday and now i'm worse again. went back just into the yard march 8, couldn't stay.

we have not been able to hook up with a attorney so far. still trying.
after yesterday it's clear the house - which we managed to pay off after a lifetime of saving, has been contaminated and we can't go in - it's been 2 months since the installation of the foam.

Worst of all our health is affected by FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) - i need a FOIA exemption (b)(6) (privacy) this or next year. how will i be able to stay FOIA exemption (b)(6) (privacy) if i can't breathe there.

The installation company COMPANY and COMPANY are not responding.

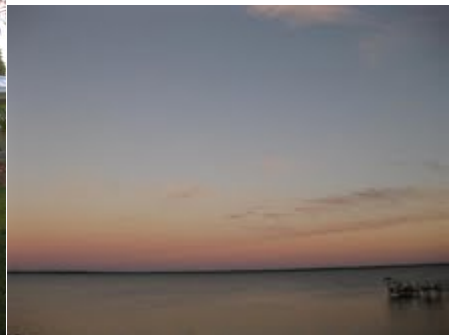
what i can't understand is how all these federal government agencies that are supposed to watch out for the safety of the country can allow such a product to be used.

Our office is in the house, the papers will have to be trashed.
including the tax returns and all supporting paperwork, i'm sure the IRS will be impressed.

Regarding the house. i think the foam is still off-gasing. when we were there sunday in the backyard the wind was blowing very strong from the water across the house toward the backyard and we had to leave FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy). it is very doubtful removing the foam will solve this problem for us - the gas got into everything else in the house and all will have to go and most likely the house too.

Is there any government money available for such disasters? Any way to force the companies into helping us?
Any ideas, suggestions . . thank you

FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy)



From: FOIA exemption (b)(6) (privacy)

Sent: Thursday, March 28, 2013 9:28 PM

To: Hetfield, Carol

Subject: Fwd: March 24 update for FOIA exemption (b)(6) (privacy) and FOIA exemption (b)(6) (privacy) exposure and request for resolution

Carol,

we are still amazed that these companies are allowed to use a product that can damage the health of persons that are exposed to the gas even for a short time to such an extend. i am FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) , in addition to the other problems. we looked some on the internet and found we are

not the only people out there that have been made chemically sensitive, which is a very bland way to describe the devastation that it causes. we can't go in the house and can not use anything that was in the house. we tried to clean a few small things to no avail, all it did made me sicker. can you advise us if the federal government has any programs out there to help people that have been damaged by these companies. please advise

FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy)

----- Forwarded message -----

From: FOIA exemption (b)(6) (privacy)

Date: Thu, Mar 28, 2013 at 1:52 PM

Subject: March 24 update for FOIA exemption (b)(6) (privacy) and FOIA exemption (b)(6) (privacy) exposure and request for resolution

To: _COMPANY

Cc: COMPANY

FOIA exemption (b)(6) (privacy),

The idea that an insulation job would take everything we have away from us is insane, however that is where we are.

This is being sent as a plea for help and an opportunity to allow you to cure the damages. Please let me know as soon as possible what you guys intend to do so we can decide where to go from here.

Thank you

FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy)

FOIA exemption (b)(6) (privacy) and FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy)

FOIA exemption (b)(6) (privacy), FL FOIA exemption (b)(6) (privacy)

March 28, 2013

**TO: COMPANY REPRESENTATIVE, Salesman
COMPANY
COMPANY ADDRESS
CITY, FL ZIP CODE**

**CC: COMPANY REPRESENTATIVE
Vice President Engineering
COMPANY
COMPANY ADDRESS
CITY, ON ZIP CODE COUNTRY**

RE: Exposure of FOIA exemption (b)(6) (privacy) and FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) to off gases during COMPANY Foam installation at their residence located at FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy), FOIA exemption (b)(6) (privacy) FL

COMPANY REPRESENTATIVE,

I recently received a final invoice from COMPANY for the COMPANY spray foam installation performed at our residence on January 11, 2013. As stated in my two prior written communications to you we have been adversely impacted by our exposure to the off gassing process and have been unable to return to our home. I am sending this as an update and follow up to our situation.

We have rented a condo until our home can be remediated/ sanitized in a manner that will safely allow our return. We are driving a rented commercial panel van with very little foam in it, since it is the only vehicle we don't have a reaction to.

The following bullets point out the pertinent issues in our argument involving the request for **assistance from COMPANY and COMPANY and COMPANY.**

- I was told by you the COMPANY product was hypo allergenic that it was so good that it was used to insulate the headquarters of the American Lung Association. **You never disclosed verbally or in writing that there are cases where people have had severe allergic reactions to this product and were never able to re-enter their home, or the possible long term health issues from exposure.**
- You reviewed the job site prior to quoting the work and advised installation would not be a problem. I reviewed the work with your spray tech prior to his starting and he also advised installation would not be a problem.
- You and your spray technician advised that we could not enter the house during the spray foam installation or return to staying in the house for 48 hours. **You never disclosed verbally or in writing there was a safe zone around the perimeter of the house during installation. Your spray technician's helper did not warn we were in a potential danger zone**

when he helped me unload a heavy garden pot into our backyard Tiki hut at the location we were exposed.

- COMPANY REPRESENTATIVE whom I called a few days prior to the COMPANY installation advised we did not need to take special precautions to protect items such as bedding etc. since there was no residual effect from the installation. Unfortunately based on this conversation I moved all of my tools and materials into the house from the garage and carport to allow for free floor access to your workers while the spray foam was being installed. **Neither you nor COMPANY REPRESENTATIVE disclosed verbally or in writing that it is possible you could develop an allergic reactions to the COMPANY spray foam and all items in the house while the foam was being sprayed would become contaminated due to the off gassing residue.**

In general my FOIA exemption (b)(6) (privacy) and I are both still suffering in various degrees from the effects of our exposure. My FOIA exemption (b)(6) (privacy) is FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) than me. We have consulted with and been to see several doctors with the general consensus that we have developed a Chemical Sensitivity, and we need to stay away from the irritants. This is a big issue for us and currently affects us in not only our home site but different buildings (hotels, doctors' offices, shopping, restaurants, etc.), along with vehicles. **We never had any of these issue before January 11, 2013.**

We have returned to the front and backyards several times and are now generally ok in the yard. However when FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) goes near the outside of the house FOIA exemption (b)(6) (privacy)) immediately FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy). It has been 11 weeks +/- since the installation and for something that is supposed to be practically inert after 48 hours it just doesn't make sense.

[illegible]

(b)(6) (privacy) FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy)
FOIA exemption (b)(6) (privacy)
FOIA exemption (b)(6) (privacy).

We are again asking that the parties involved **COMPANY, COMPANY, and COMPANY** step up and take whatever remedial action necessary to remediate and sanitize our home and possessions so we can safely return. All of possessions are in the house. We have tried taking out a few small personal items and have been unsuccessful in sanitizing them.

We truly want to resolve this and get on with our life, however we are not willing to write off our home although we are unsure how to save it and our possessions.

I would ask that your final invoice be tabled until this issue is settled.

Please advise how you want to handle this in as timely a manner as possible to try and mitigate future costs.

Sincerely,

FOIA exemption (b)(6) (privacy)

From: FOIA exemption (b)(6) (privacy)

Sent: Tuesday, May 28, 2013 10:56 PM

To: Hetfield, Carol

Subject: Re: Automatic reply: update to exposure to sprayfoam on January 11, 2013

we corresponded with you before, and husband spoke with you

update: have not been able to return to home, installation was jan 11 2013. both of us allergic to foam in buildings, couch, chair, bed, etc. he's gotten better. i've gotten worse

i have FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) problems now. research has shown other people FOIA exemption (b)(6) (privacy) that are FOIA exemption (b)(6) (privacy) can get this. i FOIA exemption (b)(6) (privacy) can't go out, since FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy), i.e. i can't FOIA exemption (b)(6) (privacy) anyone. no grocery store, shopping, hospital, doctors office. we looked for another house and i didn't realize all the lights were on and the guy had a wifi repeater. i FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy). not only have we lost our home and everything in it, my health is truly ruined. i need a doctor that can certify me so i can apply for disability. if FOIA exemption (b)(6) (privacy) wasn't here to go to the store for food, what would i do?

please help

FOIA exemption (b)(6) (privacy)

From: FOIA exemption (b)(6) (privacy)
Sent: Saturday, April 13, 2013 11:32 AM
To: Lamba, Anjali
Subject: SPRAY FOAM INSULATION

I have an elderly friend in FOIA exemption (b)(6) (privacy), CO who had spray foam insulation installed in FOIA exemption (b)(6) (privacy) home a few months ago. Since then FOIA exemption (b)(6) (privacy) has developed s FOIA exemption (b)(6) (privacy) , especially FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) that have required medical attention. We suspect after reading your onsite information http://www.asse.org/professionalaaffairs_new/PtD/Practice%20Issues/Anjali%20Lamba.pdf that there may be a connection.

Would you be able to point us in the direction that FOIA exemption (b)(6) (privacy) should go in trying to determine whether or not spray foam insulation might be the cause of his problems? If FOIA exemption (b)(6) (privacy) exposure to the insulation is the issue his FOIA exemption (b)(6) (privacy) may be in danger, so we need to address the issue as soon as possible.

Thanking you in advance,

FOIA exemption (b)(6) (privacy)
FOIA exemption (b)(6) (privacy)

29)

From: FOIA exemption (b)(6) (privacy)
Sent: Tuesday, April 16, 2013 3:21 PM
To: Hetfield, Carol
Subject: spray foam exposure

Hi Carol,

A roofing contractor coated a roof with spray foam, COMPANY yesterday. We were working outside downwind of them. That night, I developed FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) etc.

I could not figure out what was going on with me, I used FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) which made FOIA exemption (b)(6) (privacy)more. I was close to heading for the emergency room, but it began to subside. I still did not realize what had happened until the next morning when I cleaned my glasses and they were covered with white specks that did not come off easily.

That is when I realized that I had been exposed to uncured spray foam while working outside next to the building they were working on. I did not know that they were spraying foam on the building, and I certainly had no idea they would be spraying something like that in a populated village without at least giving notice or something.

I can still FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy).
What do I do? Do I have anything to worry about in regards to my health?

Thank you for anything you can help me with.

FOIA exemption (b)(6) (privacy)
FOIA exemption (b)(6) (privacy), NY
FOIA exemption (b)(6) (privacy) cell

30)

From: FOIA exemption (b)(6) (privacy)
Sent: Monday, April 15, 2013 2:51 PM
To: Pfahles-Hutchens, Andrea
Subject: Consumer question on spray foam insulation

Hello Ms. Pfahles-Hutchens,

I have been searching for a way to check if there are levels of isocyanates in my home that are dangerous to my family. Last year, we had spray foam insulation installed in the walls and ceiling of a portion of our home. The installation was done by a professional installer. The process included scraping the dried foam to create a flush surface to apply the finishing materials against and prevent air pockets. The section of our home that was insulated is a hand-hewed log cabin, so the interior is a rough surface that catches dust, etc. I would like to know if either the dust or off-gassing from the spray foam is at a level we should be concerned about, especially since FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy). I have searched for testing information, and have not found an answer. I did find your name mentioned in the agenda for an isocyanates conference, and wondered if you might be able to help with information. If you could direct me to any helpful information on testing, I would appreciate it.

Thank you,
FOIA exemption (b)(6) (privacy)
FOIA exemption (b)(6) (privacy)

31)

From: FOIA exemption (b)(6) (privacy)
Sent: Saturday, November 09, 2013 3:43 PM
To: Lamba, Anjali
Subject: SPF problem in Holland

Dear Mrs. Lamba,

Through the attached presentation I found your e-mail address and I took to the liberty to contact you. Reason for this is that I am very interested in the subject of Spray Polyurethane Foam (SPF), the EPA guidelines and investigations in exposure to the toxic chemicals during SPF application. In Holland, where I live, a large number of people reported medical problems after their house was isolated with SPF. Myself and my family were one of the first victims and we were forced to leave our house more than a year ago. We have formed a group and there is a webpage (in Dutch):

<http://www.meldpuntpurslachtoffers.nl/>

I have read all the guidelines on the EPA website which seem very thorough. Unfortunately in Holland there were no rules so we stayed in our house during time that the SPF was applied. This was the case for all the victims in Holland. Recently the industry announced that inhabitants should evacuate their house and re-enter after 2 hours. In this context I would like to understand better how the EPA came to re-entry times of 24 to 72h.

I also saw that the EPA and the CPI initiated an investigation under ASTM WK 30960. Some results were published in a magazine called "sprayfoam professional" edition summer 2013, but according the de edition of fall 2012, the investigation should consist of 3 phases. Are there results available of phase 3 by now?

Best Regards,

FOIA exemption (b)(6) (privacy)

From: FOIA exemption (b)(6) (privacy)

Sent: Monday, February 24, 2014 3:42 PM

To: FOIA exemption (b)(6) (privacy)

Cc: 'cushmac.mary@EPA.gov'; 'carter.janet@dol.gov'; 'tthomas@cpsc.gov'; 'anderson.doug@epa.gov'

Subject: RE: Ship to Holland

Hello FOIA exemption (b)(6) (privacy),

I am sorry to learn of your situation, in particular the terrible effects FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy). Unfortunately I am aware of the problems your family is facing. I have been contacted by numerous families in the US that have experienced similar health problems when their homes were insulated with PU foam. Unfortunately there is little I can offer you to solve the problem. You must be very careful FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy). New products made with PU foam can continue to exacerbate the symptoms FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy). This may include furniture, carpets, cars, bedding etc. I tell people here in the US that OLD is their friend. After time most of the problem chemicals will off-gas much like you see in your home. I would bet that most people who enter your old home will not experience the type of problems you have. My observation is that most problems occur shortly after the PU foam has been applied and the home/facility is not properly aired out. It is the initiating high level exposure that is causing people to get sensitized to this chemical soup of isocyanates, fire retardants, amine catalysts etc.

We do not know what exactly is causing the problems. I have seen PU foam from homes with measurable isocyanates weeks after application. Temperature, humidity, poorly calibrated equipment may all contribute to the problems. You will not be able to measure any of this after three years. You will also not be able to move back to that home. Again, other people may be able to now live there with no problems. It is sad that this technology can have very positive benefits but has also nearly ruined lives. It is the FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) who usually spends more time at the home who gets sick, sometimes the FOIA exemption (b)(6) (privacy) feels little or nothing if they were not in the home soon after application. I am pleased you are supportive, FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy). I have seen this lead to divorce as most doctors do not understand what the problems are. I hope this helps and I have copied several people in the US govt that may also have information on this.

I wish you the best, take care to avoid new exposure for FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) will slowly improve. Regards, FOIA exemption (b)(6) (privacy)

From: FOIA exemption (b)(6) (privacy)
Sent: Monday, February 24, 2014 7:31 AM
To: FOIA exemption (b)(6) (privacy)
Subject: RE: Ship to Holland

Hello FOIA exemption (b)(6) (privacy),

I have some additional questions, but first I will share more background on what I am trying to measure with the isocyanate surface swypes:

Almost 3 years ago the crawlspace of our house was isolated using a 2 component polyurethane spray foam (SPF). Something went terribly wrong causing dangerous chemicals to enter our living space. There were no rules in Holland (at that time), so my family and I were in our house all the time that the SPF was applied. So we all were exposed and our house became contaminated. We were not aware of this exposure, so we lived in our contaminated house for more than a year. During this year, especially FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy). Eventually we could link the symptoms to isocyanate exposure (FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy)) which started the time when the SPF was applied. Meanwhile we have abandoned our house and are staying somewhere else for almost 2 years. We are not the only family affected in Holland. Due to sponsoring of the Dutch government, SPF has become very popular so things go wrong frequently. The victims in Holland (~200 families) united and we have launched a (Dutch) website:

<http://www.meldpuntpurslachtoffers.nl/>

This should explain my interest in your Swypes (isocyanate and amines). My personal goals are to find out whether objects from my house are affected, determine whether there are still reactive isocyanates in my house and try to find (legal) proof that something went wrong with the SPF. Typically the industry uses air measurements to determine isocyanate contamination. So far too high levels were never reported. However the industry never measured surface contamination. Contamination of surfaces in living areas is very likely seen the aerosols when applying the SPF and from medical publications it is clear that skin exposure is possible route for sensitization to isocyanates. So to me this is really an area that needs more attention!

Now, my questions:

1. Do you have any experience in using surface Swypes for contamination after SPF isolation?
2. On what materials (steel, plastic, ceramic, wood) are the Swypes most effective. I notices that wood tends to absorb the developer fluid and that in some cases the pad absorbs the color of the substrate material.

Regarding my own experiments (see also ppt):

I tried the aliphatic and aromatic isocyanates Swypes on objects from my house last week. My first attempt was hopeful as for one object I observed a reaction to a orange-like color using the aliphatic swipe pads, but in later experiments (5 resp. 7days later) on similar objects I did not see this orange like appearance. In some instances I did see that the aliphatic pads became more white. I also tested with the aromatic pads, but I did not see any color change. My questions:

- a) Is turning white also a indication for the presence of some (isocyanate) chemical?
- b) Does the time between opening a bag and using the pad influence the sensitively/performance?

- c) Does temperature influence the reactions (derivatization agent to the reactive isocyanate group and/or the color change of the Swype)?
➔ For the first try the temperature was ~15°C, for the 2nd try the temperature was ~8°C
- d) Other factors to explain the results?

Off-course there is always a changes that after 2/3 years, all reactive isocyanate is gone, but this does not explain my 1st positive measurement. So I am still confident that these Swypes can be useful. Not just for me, but also for all other victims in Holland.

Best Regards,

FOIA exemption (b)(6) (privacy)
Phone FOIA exemption (b)(6) (privacy)

FOIA exemption (b)(6) (privacy)
The Netherlands

FOIA exemption (b)(6) (privacy)
FOIA exemption (b)(6) (privacy)

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From: FOIA exemption (b)(6) (privacy)
Sent: Monday, February 17, 2014 8:15 PM
To: FOIA exemption (b)(6) (privacy)
Subject: RE: Ship to Holland

FOIA exemption (b)(6) (privacy),

The aliphatic isocyanate color will fade over the time described, that is why we suggest taking the measurement after 3-5 minutes. Thanks for picking up the error, the color for the aromatic amine is usually Red and is stable for many days.

Regards, FOIA exemption (b)(6) (privacy)

From: FOIA exemption (b)(6) (privacy)
Sent: Sunday, February 16, 2014 2:04 PM
To: FOIA exemption (b)(6) (privacy)
Subject: RE: Ship to Holland

Hello FOIA exemption (b)(6) (privacy),

I did a first trail with the aliphatic isocyanates Swypes. After 3min I did observe a slight color change, but it seemed to fade after 60min. Is this normal or should the color change be stable?

BTW, I noticed a mistake in your instruction file for Aromatic Amines:

What is the correct color change for aromatic amines?

Best Regards,

FOIA exemption (b)(6) (privacy)

Phone: FOIA exemption (b)(6) (privacy)

FOIA exemption (b)(6) (privacy), The Netherlands

FOIA exemption (b)(6) (privacy)

FOIA exemption (b)(6) (privacy)

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32)

From: Smuts, MaryBeth

Sent: Monday, May 19, 2014 4:07 PM

To: Hetfield, Carol; dceballos@cdc.gov

Cc: rick.reibstein@state.ma.us; bobv@doh.state.ri.us; McDonnell, Ida; Mark Kravatz

Subject: Issue with weatherization requirements and use of SPF

Hello-

I received a call from a small contractor on Spray Poly Foam that was troubling and need help in following up.

Problem

His story was that the local (RI) weatherization agency (not sure if HUD, utility or state funded) requires:

1. Use of SPF in some situations;
2. Clients i.e. homeowners be in residence during the process to observe actions of contractors.

The compensation is small for the job. The contractor states that he can't afford to train on best practices and provide workers with self-contained respiratory devices nor make sure that the trades and homeowners stay out of work area for 24 hrs.

He wonders what contractors are bidding on these jobs and if they are following the best practices that he is aware of.

Solutions

-Trainings and workshops such as MA are spreading the word about best practices so all of the states should provide such information.

-Focus on the weatherization offices and their requirements-to have them changed or to make sure that contractors doing it are following best practices but definitely make sure the homeowners and trades are kept out of work area.

The first solution needs national funding and

the last solution needs action at a national level to change the policy of Dept of Energy or HUD trickling down to the weatherization groups.

Can you bring this issue up to the other agencies or maybe to OSHA for inspections on these weatherization jobs?

MaryBeth Smuts, Ph.D.

Regional Air Toxicologist

US EPA: R1 New England

5 Post Office Square, Suite 100, OEP-5-2

Boston, MA 02109

617/918-1512

Fax 617/918-0512

smuts.marybeth@epa.gov

33)

From: FOIA exemption (b)(6) (privacy)

Sent: Thursday, July 10, 2014 8:59 PM

To: cushmac.mary@epa.gov; Hetfield, Carol

Subject: Isocyanate Research

Mary and Carol,

I have been researching isocyanate spray foam and have come across your names on a few documents and research. We are in the final stages of building a house and ended up getting this type of insulation put into our attic. We have recently in the past few weeks doing more and more research on it and have even done a home air quality test from FOIA exemption (b)(6) (privacy). The results we got were a little unnerving as the levels of both VOCs and Formaldehyde came back at very high levels. I was hoping that you might have some more detailed information that you could share. I am looking for the information including, but not limited to, the following:

- long term effects of isocyanate exposure;
- recommended limits of exposure for isocyanates (in terms of occupying a dwelling with it installed);
- techniques for reducing the risk of exposure to isocyanates when installed in a home; and
- methods for the safe removal of the foam should it be deemed hazardous.

Thank you in advance for any information you may be able to provide in this area.

FOIA exemption (b)(6) (privacy)

34)

From: Swietlik, William
Sent: Tuesday, October 21, 2014 11:11 AM
To: Hetfield, Carol
Subject: Another spray foam call

Carol:

I received another call from a desperate homeowner who has had to move out of their house due to a bad spray foam insulation installation.

I gave her your name (phone and email address) as the EPA expert to contact as well as the EPA spray foam website url.

FOIA exemption (b)(6) (privacy) name is FOIA exemption (b)(6) (privacy)
and FOIA exemption (b)(6) (privacy) lives in FOIA exemption (b)(6) (privacy)
NY

Her email address she gave me was:

FOIA exemption (b)(6) (privacy)

I think I am averaging maybe about two calls like this per year now—where a bad installation has occurred and a homeowner has had to abandon their house.

Bill

William F. Swietlik

US EPA, Office of Water

Engineering and Analysis Division (4303T)

1200 Pennsylvania Ave., NW

Washington, DC 20460

202-566-1129: phone

202-566-1053: Fax



35)

From: FOIA exemption (b)(6) (privacy)
Sent: Wednesday, June 10, 2015 8:07 PM
To: Hetfield, Carol
Subject: Spray Foam installation in Residence situation...

I am writing you because I am not sure how to proceed with our situation, and I just found you in doing some research. I'm hoping you can point me in the right direction...

It was our understanding after doing some research that the foam should have been cured and have no odors by the time we returned home on Saturday April 4th, however, this is not the case. We took their word and attempted to sleep at our home that night. We woke up at 4am after being there since midnight, and had to leave our home after feeling very sick.

Every time we try to be there, FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy). We FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) and have found that when we FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy), our FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) FOIA exemption (b)(6) (privacy) ever since our exposure to the spray foam. Basically we need to have someone come and test the foam and our air properly, because we don't know how we are going to get back into our house- especially FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy) FOIA exemption (b)(6) (privacy). The general contractor thinks there is no problem, and the foam installer has since filed a claim with his insurance company about this. There is foam exposed in our attic space where the addition and our main home meet.

FOIA exemption (b)(6) (privacy)